

## Datasheet: MCA4206Z

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN TFEB:Preservative Free |
| <b>Specificity:</b>  | TFEB                                    |
| <b>Format:</b>       | Preservative Free                       |
| <b>Product Type:</b> | Monoclonal Antibody                     |
| <b>Clone:</b>        | 3E1-G6                                  |
| <b>Isotype:</b>      | IgG1                                    |
| <b>Quantity:</b>     | 0.1 mg                                  |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                    | Yes | No | Not Determined | Suggested Dilution |
|--------------------|-----|----|----------------|--------------------|
| Western Blotting   | ■   |    |                | 0.1 - 10 ug/ml     |
| Immunofluorescence | ■   |    |                | 0.1 - 10 ug/ml     |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

|                                       |                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Human                                                                                                 |
| <b>Species Cross Reactivity</b>       | Reacts with: Rat<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species.  |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                 |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A                                         |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                             |
| <b>Preservative Stabilisers</b>       | None present                                                                                          |
| <b>Approx. Protein Concentrations</b> | Ig concentration 0.5 mg/ml                                                                            |
| <b>Immunogen</b>                      | Recombinant protein corresponding to aa 1-477 of human TFEB.                                          |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P19484</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b> |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                      | BHLHE35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Fusion Partners</b>               | Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>                   | <p><b>Mouse anti Human TFEB antibody, clone 3E1-G6</b> recognizes human Transcription factor EB, also known as TFEB or Class E basic helix-loop-helix protein 35. TFEB is a 476 amino acid ~50 kDa transcription factor binding to <a href="#">E-Box sequences</a>.</p> <p>Two isoforms of TFEB generated by alternative splicing have been described. Mouse anti Human TFEB antibody, clone 3E1-G6 is expected to recognize the canonical isoform 1 but binding to isoform 2 which lacks part of the immunogen sequence used to generate clone 3E1-G6 has not been evaluated (<a href="#">UniProt : P19484</a>).</p> |
| <b>Storage</b>                       | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                                                                                                                                                                                                                                                                                                   |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                           |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                                                                                                                                                                              |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                                                                                                                                                                                                          |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                           |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                           |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                    |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                                                                                                                                                                                   |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                                                                                                                                                                                                           |
| Human Anti Mouse IgG1 (HCA036...)       | <a href="#">HRP</a>                                                                                                                                                                                                           |

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
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