Datasheet: MCA746

Description: MOUSE ANTI HUMAN INTERLEUKIN-6

Specificity: IL-6

Format: Purified

Product Type: Monoclonal Antibody

Clone: B-E8

Isotype: IgG1

Quantity: 0.5 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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen (1)</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<tr>
<td>Functional Assays (2)</td>
<td></td>
<td></td>
<td></td>
<td>20pg neutralizes activity of 1U of IL-6</td>
</tr>
</tbody>
</table>

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

(2) This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays. Bio-Rad recommend the use of EQU003 for this purpose.

Target Species: Human

Species Cross Reactivity: Does not react with: Mouse

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by ion exchange chromatography from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide
Approx. Protein Concentrations
IgG concentration 1 mg/ml

Immunogen
Recombinant full-length human IL-6 expressed in E. coli.

External Database Links
UniProt:
P05231 Related reagents

Entrez Gene:
3569 IL6 Related reagents

Synonyms
IFNB2

Fusion Partners
Spleen cells from BALB/c mice were fused with cells of the mouse X63 Ag8.653 myeloma cell line.

Specificity
Mouse anti Human Interleukin-6 antibody, clone B-E8 recognizes human interleukin-6 (IL-6), a cytokine and potent inducer of the immune acute phase response.

Affinity
0.5nM

References

Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only
Related Products

**Recommended Secondary Antibodies**

<table>
<thead>
<tr>
<th>Antibody Description</th>
<th>Detection Method</th>
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</thead>
<tbody>
<tr>
<td>Goat Anti Mouse IgG (STAR77...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR9...)</td>
<td>FITC</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR13...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR70...)</td>
<td>FITC</td>
</tr>
<tr>
<td>HuCAL Anti Mouse IgG1 (HCA036...)</td>
<td>HRP</td>
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<tr>
<td>Goat Anti Mouse IgG (Fc) (STAR120...)</td>
<td>FITC, HRP</td>
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<tr>
<td>Rabbit Anti Mouse IgG (STAR8...)</td>
<td>DyLight®800</td>
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<tr>
<td>Goat Anti Mouse IgG (STAR76...)</td>
<td>RPE</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR12...)</td>
<td>RPE</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG IgA IgM (STAR87...)</td>
<td>Alk. Phos., HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (H/L) (STAR117...)</td>
<td>Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP</td>
</tr>
</tbody>
</table>

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"M253267:140326"

Printed on 02 Mar 2017

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