

## Datasheet: MCA3474Z

<b>Description:</b>	MOUSE ANTI HUMAN STAT6:Preservative Free
<b>Specificity:</b>	STAT6
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	6C10
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	100 µg

## 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
Immunohistology - Paraffin (1)	▪			0.1 - 10 µg/ml
Western Blotting	▪			
Immunofluorescence	▪			0.1 - 10 µg/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<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>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to aa 695-804 of human STAT6
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P42226</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b>

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<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human STAT6 antibody, clone 6C10</b> recognizes human Signal transducer and activator of transcription 6, also known as STAT6 or IL-4 Stat. STAT6 is a 846 amino acid ~100 kDa signal transducer and activator of transcription involved in interleukin-4 and interleukin-3 signaling.</p> <p>Changes in STAT6 expression has been implicated in the development of Hemangiopericytoma and solitary fibrous tumor (<a href="#">Doyle et al. 2014</a>). <b>Mouse anti Human STAT6 antibody, clone 6C10</b> recognizes human Signal transducer and activator of transcription 6, also known as STAT6 or IL-4 Stat. STAT6 is a 846 amino acid ~100 kDa signal transducer and activator of transcription involved in interleukin-4 and interleukin-3 signaling.</p> <p>Changes in STAT6 expression has been implicated in the development of <a href="#">Hemangiopericytoma</a> and solitary fibrous tumor (<a href="#">Doyle et al. 2014</a>).</p>
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<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>
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<b>Shelf Life</b>	18 months from date of despatch.
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<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>
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<b>Regulatory</b>	For research purposes only
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## 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 IgG2b (HCA038...)	<a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:Preservative Free \(MCA691XZ\)](#)

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