

Datasheet: MCA6037

**BATCH NUMBER 151364**

<b>Description:</b>	MOUSE ANTI RelB
<b>Specificity:</b>	RelB
<b>Other names:</b>	IREL, I-Rel
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	17.3
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	50 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	▪			1/10 - 1/50
Immunoprecipitation	▪			
Western Blotting	▪			1 - 2 µg/ml
Immunofluorescence	▪			1 µg/ml
Immunocytochemistry	▪			1 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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rhesus Monkey, Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein A

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein derived from C-terminal region of human RelB protein
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q01201</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5971</a>    RELB    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Mouse anti-RelB antibody, clone 17.3</b> recognizes the transcription factor RelB, also known as I-Rel. RelB is encoded by the v-rel avian reticuloendotheliosis viral oncogene homolog B gene and is a critical component of the NF-kappa-B pathway.</p> <p>Upon cleavage of the NF-kappa-B p105 and p100 subunits into the NF-kappa-B p50 and p52 subunits, RelB forms RelB-p50 and RelB-p52 heterodimers. These dimers act as activators of transcription by binding to kappaB sites present on DNA (<a href="#">Oeckinghaus and Ghosh 2009</a>). RelB-p50 and RelB-p52 binding induces the expression of genes mediating immune responses, inflammation and apoptosis (<a href="#">Jing and Lee 2014</a>).</p> <p>Misregulation of the NF-kappa-B pathway has been implicated in a variety of disease states including autoimmunity and cancer. As the NF-kappa-B pathway has been demonstrated to be constitutively active in a large group of tumors, developing NF-kappa-B inhibitors has emerged as a new cancer therapy approach (<a href="#">Chaturverdi et al. 2011</a> and <a href="#">Baud and Karin et al. 2009</a>).</p>
<b>Western Blotting</b>	Mouse anti RelB antibody recognizes a band of approximately 63 kDa in THP-1 cell lysate, Daudi cell lysate, and Raji cell lysate
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</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>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/MCA6037">https://www.bio-rad-antibodies.com/SDS/MCA6037</a>  10040</p>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</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>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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Printed on 18 Jan 2024