

Datasheet: MCA6037

BATCH NUMBER 172647

Description:	MOUSE ANTI RelB
Specificity:	RelB
Other names:	IREL, I-Rel
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	17.3
Isotype:	IgG1
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/10 - 1/50
Immunoprecipitation	▪			
Western Blotting	▪			1 - 2 ug/ml
Immunofluorescence	▪			1 ug/ml
Immunocytochemistry	▪			1 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.

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 from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant protein derived from C-terminal region of human RelB protein
External Database Links	<p>UniProt: Q01201 Related reagents</p> <p>Entrez Gene: 5971 RELB Related reagents</p>
Specificity	<p>Mouse anti-RelB antibody, clone 17.3 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 (Oeckinghaus and Ghosh 2009). RelB-p50 and RelB-p52 binding induces the expression of genes mediating immune responses, inflammation and apoptosis (Jing and Lee 2014).</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 (Chaturverdi et al. 2011 and Baud and Karin et al. 2009).</p>
Western Blotting	Mouse anti RelB antibody recognizes a band of approximately 63 kDa in THP-1 cell lysate, Daudi cell lysate, and Raji cell lysate
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6037
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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