

Datasheet: MCA6037

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 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.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
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**

UniProt:

[Q01201](#) [Related reagents](#)

Entrez Gene:

[5971](#) RELB [Related reagents](#)

Specificity

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.

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](#)).

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](#)).

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

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

Storage in frost-free freezers is not recommended.

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.

Shelf Life

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10303 available at:
10303: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Negative Controls

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

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