

Datasheet: VMA00934

BATCH NUMBER 100005651

Description:	MOUSE ANTI EIF3G
Specificity:	EIF3G
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB05/3H10
Isotype:	IgG1
Quantity:	100 µl

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
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat 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	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-320 of human EIF3G

External Database Links

UniProt:

[O75821](#) [Related reagents](#)

Entrez Gene:

[8666](#) EIF3G [Related reagents](#)

Synonyms EIF3S4

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti EIF3G antibody** recognizes eukaryotic translation initiation factor 3 subunit G, also known as EIF3S4.

EIF3G is a subunit of the mammalian EIF3 complex, and is involved with translation reinitiation and protein synthesis ([Kim et al. 2013](#)). Roles for EIF3G have been identified in the cytoskeletal network ([Burnicka-Turek et al. 2010](#)) and in caspase-mediated apoptosis ([Kim et al. 2013](#)). EIF3G appears to play roles in cancer development, and clues have included its nuclear distribution in breast cancer cells ([Zheng et al. 2016](#)) and overexpression in an adriamycin-resistant erythroleukemia cell line ([Zhu et al. 2009](#)). It has also been suggested that EIF3G could be a target for managing chemoresistance in patients with colorectal cancer ([Yang et al. 2018](#)). A single nucleotide polymorphism is associated with risk of narcolepsy ([Holm et al. 2015](#)).

Western Blotting Mouse anti EIF3G detects a band of approximately 42 kDa in HEK293 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00934>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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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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