

Datasheet: MCA6171

BATCH NUMBER 100004683

Description:	MOUSE ANTI EPS15
Specificity:	EPS15
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD01/1C2
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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000 - 1/10,000

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: Rat, 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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein, aa 492-896 of human EPS15
External Database Links	<p>UniProt: P42566 Related reagents</p> <p>Entrez Gene: 2060 EPS15 Related reagents</p>
Synonyms	AF1P
Specificity	<p>Mouse anti EPS15 antibody recognizes epidermal growth factor receptor substrate 15 (EPS15), also known as protein AF-1p.</p> <p>EPS15 is an endocytic accessory protein which plays a role in the internalization of ligand-inducible receptors, notably EGFR, by interacting with the clathrin assembly adaptors AP2 and EPSIN1 (Milesi et al. 2019). EGFR activation induces sequential EPS15 phosphorylation, activating translocation of EPS15 from endosomes to the cytosol. The C-terminus of EPS15 contains two ubiquitin-interacting motifs, which can bind EGFR directly (Haugen et al. 2017). Because of its role in terminating signaling from growth factors, EPS15 is involved with several malignancies. Overexpression of EPS15 has been found to be associated with a favourable clinical outcome in patients with breast cancer (Dai and Zhang 2015).</p>
Western Blotting	Mouse anti EPS15 antibody detects a band of approximately 135 kDa in HeLa 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/MCA6171
Regulatory	For research purposes only

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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