Datasheet: VMA00265

BATCH NUMBER 171012

Description:	MOUSE ANTI CD171
Specificity:	CD171
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2G9
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

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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN_3) 1% Bovine Serum Albumin 25% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.

Immunogen	Full length recombinant human CD171 (NP_000416) produced in HEK293T cells
External Database Links	**UniProt:** P32004 Related reagents **Entrez Gene:** 3897 L1CAM Related reagents
Synonyms	CAML1, MIC5
Specificity	**Mouse anti Human CD171 antibody, clone OTI2G9** recognizes the CD171 antigen, also known as neural cell adhesion molecule L1, antigen identified by monoclonal antibody R1 and neural cell adhesion molecule L1. Encoded by L1CAM gene, CD171 is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of L1CAM results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons (provided by RefSeq, May 2013). Mouse anti Human CD171 antibody, clone OTI2G9 detects a band of 220-240 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti CD171 detects a band of approximately 220-240 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 #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00265
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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
'M438450:250508'

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