

Datasheet: VMA00373

Description:	MOUSE ANTI CD167
Specificity:	CD167
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG2b
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant CD167
External Database Links	<p>UniProt: Q08345 Related reagents</p> <p>Entrez Gene: 780 DDR1 Related reagents</p>
Synonyms	CAK, EDDR1, NEP, NTRK4, PTK3A, RTK6, TRKE
Specificity	Mouse anti Human CD167 antibody recognizes CD167, also known as CD167 antigen-like family member A, PTK3A protein tyrosine kinase 3A, cell adhesion kinase, epithelial discoidin domain-

containing receptor 1 or DDR1, mammary carcinoma kinase 10, protein-tyrosine kinase RTK-6, tyrosine kinase DDR and tyrosine-protein kinase CAK.

Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases mostly regulate cell growth, differentiation and metabolism. CD167 belongs to a subfamily of tyrosine kinase receptors activated by various types of collagen with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for CD167 (provided by RefSeq, Feb 2011).

Mouse anti Human CD167 antibody detects a band of 125 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti CD167 detects a band of approximately 125 kDa in MCF7 cell lysates

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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

Shelf Life As supplied, 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: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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'M286367:160718'

Printed on 01 May 2018

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