

Datasheet: OBT1170

BATCH NUMBER 161461

Description:	MOUSE ANTI CD309
Specificity:	CD309
Other names:	VEGFR 2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CH-11
Isotype:	IgG1
Quantity:	0.1 mg

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)	■			
ELISA	■			
Western Blotting	■			

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. EDTA pH8.0 is recommended for this purpose.

Target Species	Mouse
Species Cross Reactivity	<p>Reacts with: Human</p> <p>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.</p>
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
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant fragment corresponding to amino acids 1158 to 1345 within the intracellular region of mouse CD309.
External Database Links	<p>UniProt:</p> <p>P35918 Related reagents</p> <p>P35968 Related reagents</p> <p>Entrez Gene:</p> <p>16542 Kdr Related reagents</p> <p>3791 KDR Related reagents</p>
Synonyms	Flk1, Flk-1, FLK1
RRID	AB_2132486
Specificity	Mouse anti CD309, Clone CH-11 , recognizes both mouse and human vascular endothelial growth factor receptor 2 (VEGF R2), also known as FLK-1 or Kinase insert domain receptor. CD309 is one of three VEGF receptor kinases which play an important role in angiogenesis. VEGF receptors are characterised by a cytoplasmic split-kinase domain and seven extracellular immunoglobulin domains.
Histology Positive Control Tissue	Placenta
Western Blotting	Clone CH-11 detects bands of approximately 200kDa and 230kDa in HUVEC cell lysates.
References	<ol style="list-style-type: none"> 1. Malini, E. <i>et al.</i> (2015) Role of LIMP-2 in the intracellular trafficking of β-glucosidase in different human cellular models. FASEB J. 29 (9): 3839-52. 2. Dardis, A. <i>et al.</i> (2016) Altered localization and functionality of TAR DNA Binding Protein 43 (TDP-43) in niemann- pick disease type C. Acta Neuropathol Commun. 4 (1): 52. 3. Qiang, L. <i>et al.</i> (2013) Expression of miR-126 and miR-508-5p in endothelial progenitor cells is associated with the prognosis of chronic heart failure patients. Int J Cardiol. 168 (3): 2082-8.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/OBT1170 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)
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