

Datasheet: OBT1170

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	Reacts with: Human N.B. Antibody reactivity and working conditions may vary between species.
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****UniProt:**[P35918](#)[Related reagents](#)[P35968](#)[Related reagents](#)**Entrez Gene:**[16542](#)

Kdr

[Related reagents](#)[3791](#)

KDR

[Related reagents](#)

Synonyms

Flk1, Flk-1, FLK1

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

1. Malini, E. *et al.* (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. *et al.* (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. *et al.* (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

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10303 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)

[Alk. Phos.](#), [HRP](#)

Human Anti Mouse IgG1 (HCA036...)

[HRP](#)

Rabbit Anti Mouse IgG (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Useful Reagents

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

'M265585:150109'

Printed on 03 Nov 2017

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)