

Datasheet: OBT1170

**BATCH NUMBER 158042**

<b>Description:</b>	MOUSE ANTI CD309
<b>Specificity:</b>	CD309
<b>Other names:</b>	VEGFR 2
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CH-11
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	Reacts with: Human <b>N.B.</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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Recombinant fragment corresponding to amino acids 1158 to 1345 within the intracellular region of mouse CD309.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P35918</a>    <a href="#">Related reagents</a></p> <p><a href="#">P35968</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">16542</a>    Kdr    <a href="#">Related reagents</a></p> <p><a href="#">3791</a>    KDR    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Flk1, Flk-1, FLK1
<b>RRID</b>	AB_2132486
<b>Specificity</b>	<b>Mouse anti CD309, Clone CH-11</b> , 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.
<b>Histology Positive Control Tissue</b>	Placenta
<b>Western Blotting</b>	Clone CH-11 detects bands of approximately 200kDa and 230kDa in HUVEC cell lysates.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Malini, E. <i>et al.</i> (2015) Role of LIMP-2 in the intracellular trafficking of <math>\beta</math>-glucosidase in different human cellular models. <a href="#">FASEB J. 29 (9): 3839-52.</a></li> <li>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. <a href="#">Acta Neuropathol Commun. 4 (1): 52.</a></li> <li>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. <a href="#">Int J Cardiol. 168 (3): 2082-8.</a></li> </ol>
<b>Storage</b>	<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.

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

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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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