

Mouse anti-CD309 (VEGFR 2)

Cat. No.:	622-0029
Size:	0.1 mg
Type:	Monoclonal Mouse Antibody
Clone:	CH-11
Isotype:	IgG1
Form:	Purified IgG, liquid, prepared by affinity chromatography on Protein A
Preservative Stabilisers:	0.1% Sodium azide
Immunogen:	Recombinant fragment corresponding to amino acids 1158 to 1345 within the intracellular region of mouse CD309
IgG-Concentration:	1 mg/ml
Buffer:	PBS
Synonyms:	Flk1, Flk-1, FLK1

Specificity

This antibody 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.

Target Species

Mouse

Species Cross Reactivity

Human. **N.B.** Antibody reactivity and working conditions may vary between species.

Applications and Recommended Dilutions

Suitable for use in Immunohistology (paraffin), ELISA, Western Blotting. Other applications have not been tested.

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

Western Blotting Clone CH-11 detects bands of approximately 200kDa and 230kDa in HUVEC cell lysates.

The optimal dilution for a specific application should be determined by the investigator.

Histology Positive Control Tissue

Placenta

Storage and Stability

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.

References

1. Malini, E. et al. FASEB J. 29 (9): 3839-3852, 2015
2. Dardis, A. et al. Acta Neuropathol Commun. 4 (1): 52, 2016
3. Qiang, L. et al. Int J Cardiol. 168 (3): 2082-2088, 2013






- For Research Use Only -

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Doc: 622-0029_CD309

Explanation of the symbols on the product label:

REF	Bestellnummer Catalog Number Reference du catalogue		Verwendbar bis Use By Utiliser jusque		Gebrauchsanweisung beachten Consult Instructions for use Consulter les instructions d'utilisation
LOT	Chargenbezeichnung Batch Code Code du lot		Lagerungstemperatur Temperature Limitation Limites de température	RUO	Nur für Forschungszwecke For Research Use Only Pour la recherche uniquement
IVD	In vitro Diagnostikum In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro		Achtung Warning Attention		Hersteller / Manufacturer / Fabricant Zytomed Systems GmbH • Anhaltinerstraße 16 14163 Berlin, Germany • Tel: (+49) 30-804 984 990 www.zytomed-systems.de