



Anti-Human KDR / VEGFR-2 (#4) (MAB)

Synonyms: vascular endothelial growth factor receptor-2 , KDR, FLK1, CD309, VEGF receptor 2, VEGFR2, kinase insert domain protein receptor

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
100 µg	1621.650.100		

Please enquire for bulk quantities and other vial sizes.

Description

VEGF R1 (Flt-1), VEGF R2 (KDR/Flk-1), and VEGF R3 (Flt-4) belong to the class III subfamily of receptor tyrosine kinases (RTKs). All three receptors contain seven immunoglobulin-like repeats in their extracellular domain and kinase insert domains in their intracellular region. They are best known for regulating VEGF family-mediated vasculogenesis, angiogenesis, and lymphangiogenesis. They are also mediators of neurotrophic activity and regulators of hematopoietic development. Human VEGF R2 is thought to be the primary inducer of VEGF-mediated blood vessel growth, while VEGF R3 plays a significant role in VEGF-C and VEGF-D-mediated lymphangiogenesis.

- **Source** Mouse
- **Isotype** IgG1
- **Clone** AB-531J7

Biological Activity

ELISA: Use at 1-10 µg/ml. Western blotting: Use at 2-5 µg/ml. Immunohistochemistry: Use at 6-30 µg/ml. Immunofluorescence: Use at 1-2 µg/ml. FACS analysis: Use at 2-5 µg/ml.

Reconstitution

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 1.0 mg/ml.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.