



Anti-FLT4 monoclonal antibody, clone 203905 (DCABY-4255)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. 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.
Specificity	Detects mouse VEGFR3/Flt-4 in ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse (rm) VEGFR1 or rmVEGF R2.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse VEGFR3/Flt-4. Tyr25-Asp770 Accession Number Q5SU94
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	203905
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	Flt4 FMS-like tyrosine kinase 4 [Mus musculus (house mouse)]
Official Symbol	FLT4
Synonyms	FLT4; FMS-like tyrosine kinase 4; Chy; Flt-4; VEGFR3; VEGFR-3; AI323512; vascular endothelial growth factor receptor 3; chylous ascites; receptor protein tyrosine kinase; tyrosine-protein kinase receptor FLT4; vascular endothelial growth factor receptor-3
Entrez Gene ID	14257
Protein Refseq	NP_032055
UniProt ID	P35917
Chromosome Location	11 A5-B1; 11 29.69 cM
Pathway	Cytokine-cytokine receptor interaction; Focal adhesion; PI3K-Akt signaling pathway; Rap1 signaling pathway; Ras signaling pathway; Signal Transduction; Signaling by VEGF; VEGF binds to VEGFR leading to receptor dimerization;
Function	ATP binding; growth factor binding; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein phosphatase binding; protein tyrosine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing