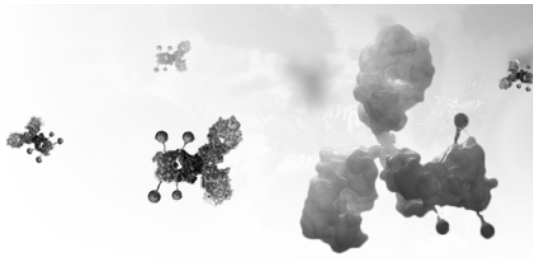

Anti-FLT1 monoclonal antibody, clone Flt-19 (CABT-47861MH)

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

PRODUCT INFORMATION

Product Overview	This product specifically recognises an epitope within amino acid residues 1-251 located in the extracellular domain of human VEGF (vascular endothelial growth factor) receptor 1 (VEGFR-1), otherwise known as Flt-1, a tyrosine-kinase receptor expressed by almost all vascular endothelial cells and by some peripheral blood monocytes. VEGFR-1 acts as a receptor for members of the VEGF protein family, playing a key role in vascular development and the regulation of vascular permeability. The signal transduction cascade resulting from VEGFR-1 binding appears to differ from that of VEGFR-2 (KDR), since the proliferation of cells lacking VEGFR-1 can be induced by VEGFR-2 binding, whilst the proliferation of cells lacking VEGFR-2, cannot be induced by VEGFR-1 binding alone.
Specificity	VEGF RECEPTOR 1
Immunogen	Extracellular domain of recombinant human VEGFR-1
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	Flt-19
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; IP
Format	Tissue Culture Supernatant - liquid
Size	100 µg
Preservative	None

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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.

GENE INFORMATION

Gene Name	FLT1 fms-related tyrosine kinase 1 [Homo sapiens (human)]
Official Symbol	FLT1
Synonyms	FLT1; fms-related tyrosine kinase 1; FLT; FLT-1; VEGFR1; VEGFR-1; vascular endothelial growth factor receptor 1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; fms-rela
Entrez Gene ID	2321
Protein Refseq	NP_001153392
UniProt ID	P17948
Chromosome Location	13q12
Pathway	Angiogenesis; Cytokine-cytokine receptor interaction; Endocytosis; Focal Adhesion; Focal adhesion; Glypican 1 network; HIF-1 signaling pathway; HIF-2-alpha transcription factor network;
Function	ATP binding; VEGF-A-activated receptor activity; VEGF-B-activated receptor activity; growth factor binding; identical protein binding; placental growth factor-activated receptor activity; protein binding; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor-activated receptor activity;

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