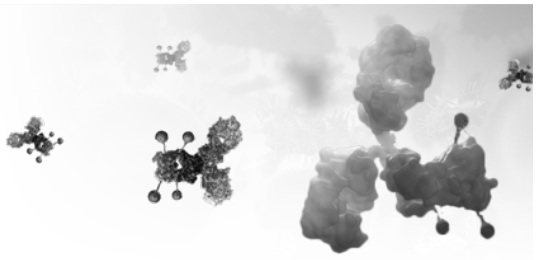

Mouse Anti-Human Flt-1/VEGFR1 monoclonal antibody, clone JID688 (CABT-L2814)

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

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Flt-1/VEGFR1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID688
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Angiosarcoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	FLT-1, also known as Fms Related Tyrosine Kinase 1 or VEGFR1 (vascular endothelial growth factor receptor 1), is a tyrosine kinase involved in lymphangiogenesis, angiogenesis, and wound healing. It is present in endothelial cells, osteoblasts, placental trophoblasts, renal mesangial cells, and some hematopoietic stem cells. Anti-FLT-1/VEGFR1 is useful for identifying carcinomas of the larynx and esophagus.
Keywords	FLT1;fms-related tyrosine kinase 1;FLT;FLT-1;VEGFR1;VEGFR-1;vascular endothelial growth factor receptor 1;fms-like tyrosine kinase 1;fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor);tyrosine-protein kinase FRT

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-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor);
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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