

10-7564: Monoclonal Antibody to FLT1 (Clone: ABM4A56)

Clonality :	Monoclonal
Clone Name :	ABM4A56
Application :	IHC
Reactivity :	Human
Gene :	FLT1
Gene ID :	2321
Uniprot ID :	P17948
Format :	Purified
Alternative Name :	FLT1,FLT,FRT,VEGFR1
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	A partial length recombinant FLT1 protein (amino acids 102-321) was used as the immunogen for this antibody.

Description

FLT-1 (fms-related tyrosine kinase 1) is an endogenous inhibitor of vascular endothelial growth factor, which is involved in cardiovascular remodeling and atherosclerosis development. It potently inhibits angiogenesis by binding extracellularly to VEGF (vascular endothelial growth factor). FLT-1 is expressed on tumor cells and is implicated in tumor growth and progression. It is overexpressed in primary tumors and nodal metastasis. FLT-1 regulates monocyte migration, recruits endothelial cell progenitors, increases the adhesive properties of natural killer cells and induces growth factors. It is observed in many diseases with endothelial dysfunction, including pre-eclampsia and diabetic retinopathy, but whether it contributes to endothelial injury in IgAN requires further exploration.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 5-10 µg/ml

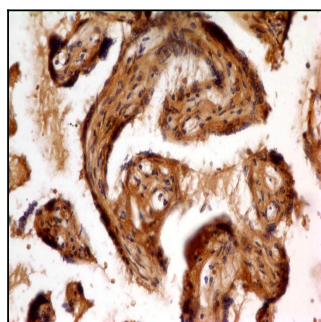


Fig-1: Immunohistochemical analysis of FLT-1 in human Placenta tissue using FLT-1 antibody (Clone: ABM4A56) at 5 µg/ml.