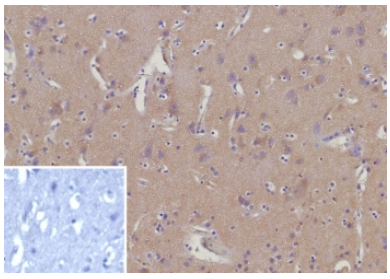
CD135 Antibody / FLT3 [clone FLT3/9888] (V5708)

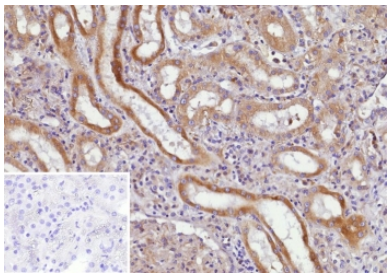
Catalog No.	Formulation	Size
V5708-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5708-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5708SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

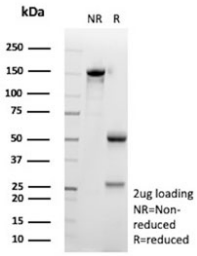
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, lambda
Clone Name	FLT3/9888
Purity	Protein G affinity
UniProt	P36888
Localization	Endoplasmic reticulum lumen, Membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CD135 antibody is available for research use only.



CD135 Antibody Brain Immunohistochemistry. IHC staining of FFPE human brain tissue with CD135 antibody (clone FLT3/9888). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



CD135 Antibody Kidney Immunohistochemistry. IHC staining of FFPE human kidney tissue with CD135 antibody (clone FLT3/9888). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD135 antibody (clone FLT3/9888) as confirmation of integrity and purity.

Description

Stem cell tyrosine kinase (STK-1) has been cloned from a CD34+ hematopoietic stem cell enriched library and identified as the human homolog of a previously identified gene of Mouse origin designated either Flk-2 or Flt-3. The STK-1 cDNA encodes a protein of 993 amino acids with 85% identity to Flt-3/Flk-2. STK-1 is a member of the type III receptor tyrosine kinase family that includes Kit (steel factor receptor), Fms and PDGF. STK-1 expression in blood and marrow is restricted to CD34+ cells, a population greatly enriched for hematopoietic stem/progenitor cells. STK-1 antiserum recognizes two polypeptides in these cells. The Mouse homolog of STK-1, designated Flt-3/Flk-2, is expressed at high levels in hematopoietic cells and also in neural, gonadal, hepatic and placental tissues. It has been suggested that STK-1 and its murine homolog Flt-3/Flk-2 may function as growth factor receptors on hematopoietic stem and/or progenitor cells.

For broader receptor tyrosine kinase and leukemia-associated signaling research applications, explore our FLT3 Antibody / Receptor Tyrosine Kinase Marker page.

Application Notes

Optimal dilution of the CD135 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 500-800 from human FLT3 protein was used as the immunogen for the CD135 antibody.

Storage

Aliquot the CD135 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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