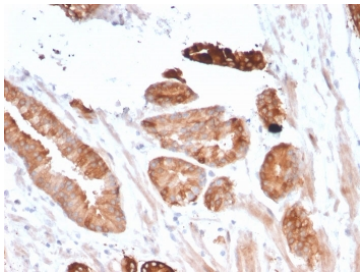
CD135 Antibody / FLT3 [clone FLT3/2458] (V7773)

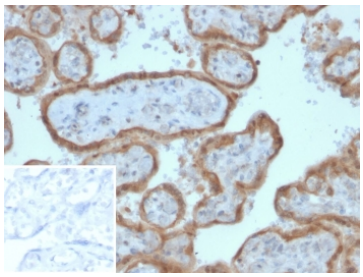
Catalog No.	Formulation	Size
V7773-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7773-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7773SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

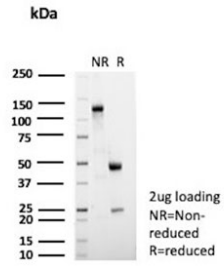
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FLT3/2458
Purity	Protein G affinity chromatography
UniProt	P36888
Localization	Cell membrane, cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CD135 antibody is available for research use only.



CD135 Antibody Breast Carcinoma Immunohistochemistry. IHC staining of FFPE human breast carcinoma with CD135 antibody (clone FLT3/2458). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



CD135 Antibody Placenta Immunohistochemistry. IHC staining of FFPE human placental tissue with CD135 antibody (clone FLT3/2458). 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 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD135 antibody (clone FLT3/2458) 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

Recombinant full-length human FLT3 protein was used as the immunogen for the CD135 antibody.

Storage

Store the CD135 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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