Flt3 / CD135 (Marker of Acute Myeloid Leukemia) Antibody

Mouse Monoclonal Antibody [Clone FLT3/9887]

Catalog No	Format	Size
2322-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
2322-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2322-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

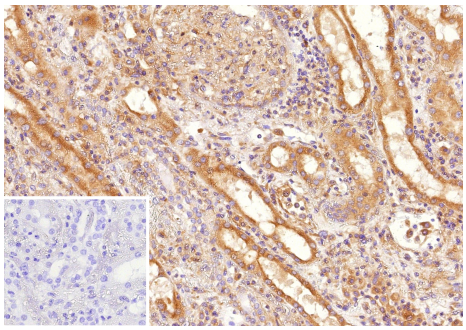
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

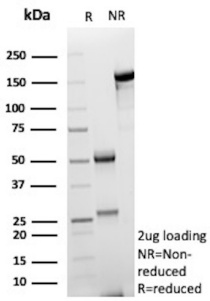
Clone	FLT3/9887
Gene Name	FLT3
Immunogen	Recombinant fragment (around aa500-800) of human FLT3 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Lambda
Mol. Weight of Antigen	160kDa
Cellular Localization	Endoplasmic reticulum lumen, Membrane
Species Reactivity	Human
Positive Control	Human brain, lymph node or MDAMB468 xenograft.

**Optimal dilution for a specific application should be determined.*

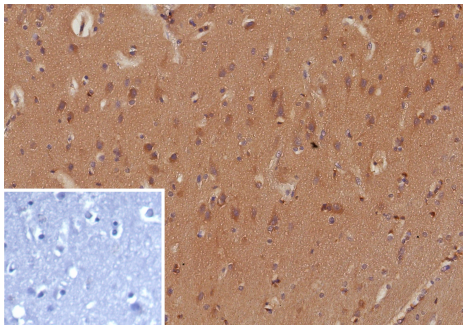
Product Images for Flt3 / CD135 (Marker of Acute Myeloid Leukemia) Antibody



Formalin-fixed, paraffin-embedded human kidney stained with FLT3 Mouse Monoclonal Antibody (FLT3/9887). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified FLT3 Mouse Monoclonal Antibody(FLT3/9887). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human brain stained with FLT3 Mouse Monoclonal Antibody (FLT3/9887). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Cardiovascular, Cytokine Signaling, Dendritic Cell Marker, Hematopoietic Stem Cells, Immunology, Infectious Disease, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.