# Flt3 / CD135 Antibody

Mouse Monoclonal Antibody [Clone FLT3/2458]

| Catalog No | Format | Size |
|---|---|---|
| 2322-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 2322-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 2322-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

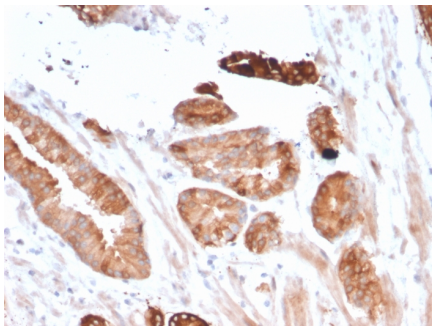
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

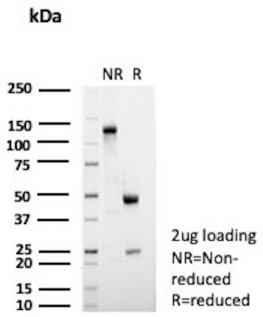
| | |
|---|---|
| **Clone** | FLT3/2458 |
| **Gene Name** | FLT3 |
| **Immunogen** | Recombinant full-length human FLT3 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2b / Kappa |
| **Mol. Weight of Antigen** | 160kDa |
| **Cellular Localization** | Endoplasmic reticulum lumen, Membrane |
| **Species Reactivity** | Human |
| **Positive Control** | Human brain, lymph node or MDAMB468 xenograft. |

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

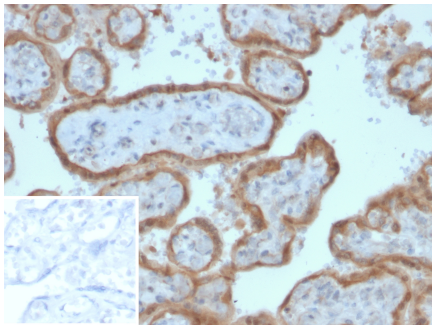
## Product Images for Flt3 / CD135 Antibody



Formalin-fixed, paraffin-embedded human breast carcinoma stained with Flt3 / CD135 Mouse Monoclonal Antibody (FLT3/2458).




SDS-PAGE Analysis of Purified Flt3 / CD135 Mouse Monoclonal Antibody (FLT3/2458). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human placenta stained with Flt3 / CD135 Mouse Monoclonal Antibody (FLT3/2458). 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.