Datasheet for ABIN457417

anti-FLT3 antibody

2 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	FLT3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FLT3 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	BV-173 leukemic cell line
Clone:	BV10A4
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody BV10A4 (BV10) reacts with an extracellular epitope of CD135 (FLT3, FLK2, STK-1), a 130-160 kDa type I transmembrane receptor tyrosine kinase that is involved in early steps of hematopoiesis.
No Cross-Reactivity:	Mouse
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

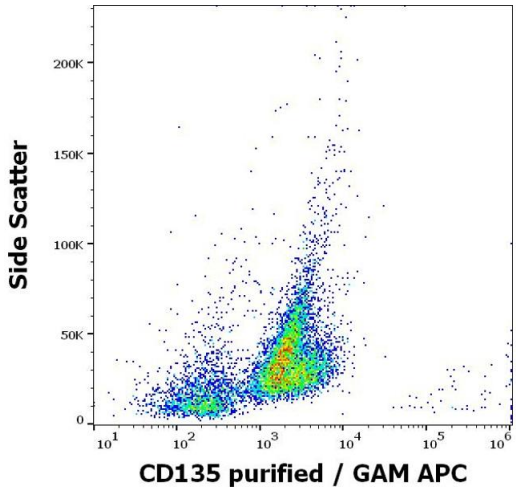
Target:	FLT3
Alternative Name:	CD135 (FLT3 Products)
Background:	Fms related tyrosine kinase 3,CD135 / FLT3, also known as FLK2 or STK-1 is a receptor tyrosine kinase that plays important roles in hematopoiesis. After binding of Flt3 ligand (FL), CD135 homodimerizes and stimulates proliferation, differentiation and protects the cell from apoptosis. The loss of CD90 and gain of CD135 expression marks the loss of self-renewal in hematopoietic stem cell population. Detectable CD135 expression appears first at low levels on the surface of primitive multilineage progenitor cells and disappears during defined stages of B-cell development, but is upregulated and maintained during maturation of monocytes. CD135 is also expressed on thymocytes, dendritic cell progenitors and on mature dendritic cells, as well as on various malignant hematopoietic cells.,FLT3, FLK2, STK1
Gene ID:	2322
UniProt:	P36888
Pathways:	RTK Signaling

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

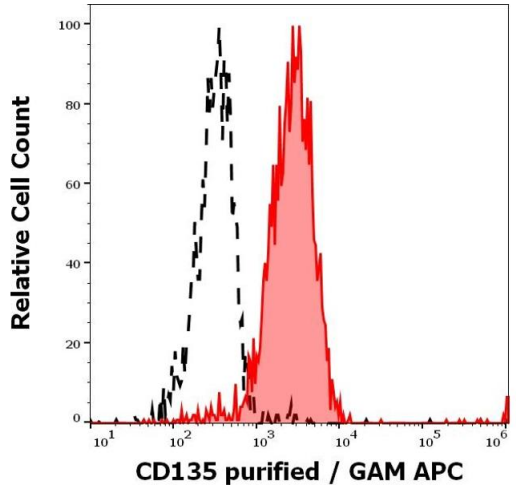
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of REH cells stained using anti-human CD135 (BV10A4) purified antibody (concentration in sample 5 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of REH cells stained using anti-human CD135 (BV10A4) purified antibody (concentration in sample 5 µg/mL, GAM APC, red-filled) from REH cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).

