

Mouse anti-Human CD135 Monoclonal Antibody | anti-CD135 antibody

Anti-Hu CD135 APC

CATALOG # AAA128460	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD135; Monoclonal Antibody; Anti-Hu CD135 APC; fms related tyrosine kinase 3; FLT3; FLK2; STK1; anti-CD135 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BV10A4
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.
Purity/Purification	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	993
Applicable Applications for anti-CD135 antibody	FCM/FACS (Flow Cytometry)
Immunogen	BV-173 leukemic cell line
Negative Species	Mouse
Conjugation	APC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD135 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121114304
NCBI GeneID	2322
NCBI Accession #	NP_004110.2

NCBI GenBank Nucleotide #	NP_004110.2
UniProt Accession #	P36888
NCBI Official Full Name	receptor-type tyrosine-protein kinase FLT3
NCBI Official Synonym Full Names	fms related receptor tyrosine kinase 3
NCBI Official Symbol	FLT3
NCBI Official Synonym Symbols	FLK2; STK1; CD135; FLK-2
NCBI Protein Information	receptor-type tyrosine-protein kinase FLT3
UniProt Protein Name	Receptor-type tyrosine-protein kinase FLT3
UniProt Gene Name	FLT3
UniProt Synonym Gene Names	CD135; FLK2; STK1; FLK-2; FLT-3; STK-1
UniProt Entry Name	FLT3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd135-antibody-clone-bv10a4-flow-cytometry-elisa/128460>