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Datasheet for ABIN7535181
FLT3 Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	FLT3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FLT3 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human FLT-3/FLK-2/CD135 Protein
Sequence:	NQDLPIKCV LINHKNDSS V GKSSSYPMV SESPEDLGCA LRPQSSGT VY EAAAVEVDVS ASITLQVLVD APGNISCLWV FKHSSLNCQP HFDLQNRGVV SMVILKMTET QAGEYLLFIQ SEATNYTILF TVSIRNTLLY TLRRPYFRKM ENQDALVCIS ESVPEPIVEW VLCDSQGESC KEESPAVVKK EEKVLHELFG TDIRCCARNE LGRECTRLFT IDLNQTPQTT LPQLFLKVG E PLWIRCKAVH VNHGFGLTWE LENKALEEEN YFEMSTYSTN RTMIRILFAF VSSVARNDTG YYTCSSSKHP SQSALVTIVE KGFINATNSS EDYEIDQYEE FCFSVRFKAY PQIRCTWTFS RKSFPCEQKG LDNGYSISKF CNHKHQPG EY IFHAENDDAQ FTKMFTLNIR RKPQVLAEAS ASQASCFS DG YPLPSWTWKK CSDKSPNCTE EITEGVWNRK ANRKVFGQWV SSSTLNMSEA IKGFLVKCCA YNSLGTSCET ILLNSPGPPF FIQDN
Specificity:	Asn27-Asn541
Purity:	> 95 % by SDS-PAGE.

Product Details

Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human FLT3L at 5 µg/mL (100 µL/well) can bind Human FLT3 with a linear range of 1.95-66.1 ng/mL.

Target Details

Target:	FLT3
Alternative Name:	FLT-3/FLK-2/CD135 (FLT3 Products)
Background:	<p>Description: The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD135, also known as FLT-3, FLK-2, is a member of the CD system. CD135 is an important cell surface marker recognized by specific sets of antibodies to identify the types of hematopoietic (blood) progenitors in the bone marrow and it function to differentiate hematopoietic stem cells, which are CD135 negative, from multipotent progenitors, which are CD135 positive. CD135 is a receptor tyrosine kinase typelll for the cytokine Flt3 ligand and activat signaling through second messengers by binding to Flt3. Signaling through CD135 is important for lymphocyte development. The encoding gene CD135 is a proto-oncogene to which mutations happened will lead to cancer such as leukemia.</p> <p>Name: FLT3,CD135,FLK-2,FLK2,STK1</p>
Gene ID:	2322
UniProt:	P36888
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Handling

Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.