

SCF Antibody FITC Conjugated

Catalog No: #C00326F

Package Size: #C00326F 100ul

Description

Product Name	SCF Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 160-210 273 derived from human SCF
Conjugates	FITC
Target Name	SCF
Other Names	SF; MGF; SCF; FPH2; KL-1; Kitl; SHEP7; Kit ligand; Mast cell growth factor; Stem cell factor; c-Kit ligand; KITLG
Accession No.	Swiss-Prot#P21583NCBI Gene ID4254
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=3ug/Test IF=1:50-200

Background

Ligand for the receptor-type protein-tyrosine kinase KIT. Plays an essential role in the regulation of cell survival and proliferation, hematopoiesis, stem cell maintenance, gametogenesis, mast cell development, migration and function, and in melanogenesis. KITLG SCF binding can activate several signaling pathways. Promotes phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, and subsequent activation of the kinase AKT1. KITLG SCF and KIT also transmit signals via GRB2 and activation of RAS, RAF1 and the MAP kinases MAPK1 ERK2 and or MAPK3 ERK1. KITLG SCF and KIT promote activation of STAT family members STAT1, STAT3 and STAT5. KITLG SCF and KIT promote activation of PLCG1, leading to the production of the cellular signaling molecules diacylglycerol and inositol 1,4,5-trisphosphate. KITLG SCF acts synergistically with other cytokines, probably interleukins.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.