

For Research Use Only

SCF Recombinant monoclonal antibody, PBS Only

Catalog Number: 84118-7-PBS



Basic Information

Catalog Number:	84118-7-PBS	GenBank Accession Number:	Purification Method:
Source:	Rabbit	GeneID (NCBI):	Protein A purification
Isotype:	IgG	4254	CloneNo.:
Immunogen Catalog Number:	HZ-1024	UNIPROT ID:	250446E11
		P21583	
		Full Name:	
		KIT ligand	
		Observed MW:	
		31 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

Stem cell factor (SCF) is also named as mast cell growth factor (MGF), Kit ligand (Kitl), c-Kit ligand, steel factor and Kitlg. SCF is a pleiotropic cytokine (also as a dimeric molecule) that mediates regulatory effects on inflammation, tissue remodeling, and fibrosis through binding to and activating its receptor tyrosine kinase c-Kit (PMID: 1698553, PMID: 8630386, PMID: 23073628). SCF is the ligand of c-Kit, a member of the RTKs family. Molecular activity of RTKs is a primary stimulus of cell motility, and expression of the SCF/c-Kit axis is associated with cell migration (PMID: 28629522). SCF is a cytokine that synergizes the effects of Epo during erythropoiesis. Stem cell factor plays a well-described role in regulating the survival, proliferation, migration, and differentiation of hematopoietic progenitors, melanocytes, and germ cells (PMID: 36688460). More recent studies have demonstrated SCF expression in dermal and intestinal epithelial cells, and increased SCF expression has been reported in the inflamed mucosa of individuals with IBD and colonitis (PMID: 18200049, PMID: 30157426).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

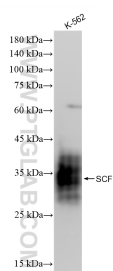
T: 4006900926

E: Proteintech-CN@ptglab.com

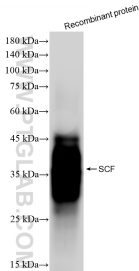
W: ptgcn.com

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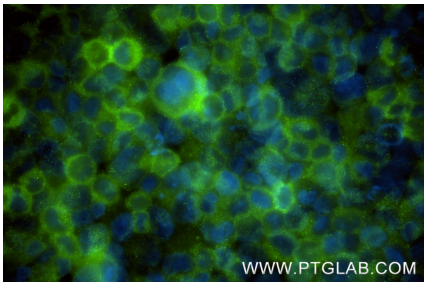
Selected Validation Data



K-562 cells lysates were subjected to SDS PAGE followed by western blot with 84118-7-RR (SCF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84118-7-PBS in a different storage buffer formulation.



Recombinant protein was subjected to SDS PAGE followed by western blot with 84118-7-RR (SCF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84118-7-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using SCF antibody (84118-7-RR, Clone: 250446E11) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84118-7-PBS in a different storage buffer formulation.