

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human SCF in Western blots. In sandwich ELISAs, no significant cross-reactivity or interference was observed with 36 other cytokines.
Source	Monoclonal Mouse IgG ₁ Clone # 13302
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human SCF Glu26-Ala189 Accession # P21583
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human SCF/c-kit Ligand (Catalog # 255-SC)
Human SCF/c-kit Ligand Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human SCF/c-kit Ligand Antibody (Catalog # MAB655)
ELISA Detection	0.1-0.4 µg/mL	Human SCF/c-kit Ligand Biotinylated Antibody (Catalog # BAF255)
Standard		Recombinant Human SCF/c-kit Ligand (Catalog # 255-SC)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SCF, also known as c-kit ligand, mast cell growth factor (MGF) and steel-factor (SLF), is a pleiotropic cytokine that plays essential roles in gametogenesis, melanogenesis and early stages of hematopoiesis. SCF can exist either as a membrane bound form or as a soluble form consisting of the first 164 or 165 amino acids of the extracellular domain.