

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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