

DESCRIPTION

Species Reactivity	Canine/Feline
Specificity	Detects canine and feline SCF/c-kit Ligand in direct ELISAs and Western blots. In direct ELISAs and Western blots, 50%-100% cross-reactivity with recombinant human (rh) SCF and recombinant mouse SCF is observed and no cross-reacti
Source	Monoclonal Mouse IgG ₁ Clone # 371907
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant canine SCF/c-kit Ligand Lys26-Ala190 Accession # Q06220
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

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, is a 28 kDa-40 kDa type I transmembrane (TM) glycoprotein that plays important roles in fetal and adult developmental processes. Endothelial cells, fibroblasts, and keratinocytes can express SCF. The 190 aa extracellular region contains a proteolytic cleavage site, generating 165 aa circulating monomers and noncovalent homodimers. Soluble feline and canine SCF share 93% aa identity with each other and 88%-92% aa identity with pig, cow, sheep, goat, horse, and mink SCF.

PRODUCT SPECIFIC NOTICES

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