Canine/Feline SCF/c-kit Ligand Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 371907

Catalog Number: FAB2268X

100 µg

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	*E. coli*-derived recombinant canine SCF/c-kit Ligand Lys26-Ala190 Accession # Q06220
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.

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