Feline IL-5 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 604312

Catalog Number: FAB1795T

100 µg

DESCRIPTION

Species Reactivity	Feline
Specificity	Detects feline IL-5 in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant feline GM-CSF, recombinant equine, canine, mouse, human, or porcine IL-5 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 604312
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant feline IL-5 Ile20-Ser134 Accession # O77515
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
Neutralization	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

Interleukin-5 (IL-5) is a 40 kDa secreted, heparin-binding, disulfide-linked homodimeric glycoprotein that belongs to the α-helical group of cytokines. It promotes the proliferation, differentiation and activation of eosinophils. The 115 amino acid (aa) mature feline IL-5 shares 70% and 59% aa sequence identity with human and mouse IL-5, respectively. The IL-5 receptor is a complex of an IL-5-specific ligand-binding α subunit with a signal transducing common β subunit (βc) that is shared with receptor complexes for IL-3 and GM-CSF.

PRODUCT SPECIFIC NOTICES

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