

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 ₁ Clone # 604308
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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

Feline IL-5 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Feline IL-5 Antibody (Catalog # MAB1795)
ELISA Detection	0.5-2.0 µg/mL	Feline IL-5 Biotinylated Antibody (Catalog # BAM17951)
Standard		Recombinant Feline IL-5 (Catalog # 1795-FL)

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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

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.