

DESCRIPTION

Species Reactivity	Canine
Specificity	Detects canine IL-3 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant IL-3 from human, mouse, or rat is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 662008
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant canine IL-3 Arg24-Pro143 Accession # Q9BDX4
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.

Immunocytochemistry 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-3 is a pleiotrophic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its biological activities via a heterodimeric receptor composed of an IL-3 specific α chain and common β chain that is shared with the IL-5 and GM-CSF high-affinity receptors. Receptors for IL-3 are present on bone marrow progenitors, and several mature myeloid cell types. Mature canine IL-3 shares <40% amino acid sequence identity with IL-3 of other mammals.

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