

DESCRIPTION

Species Reactivity	Canine
Specificity	Detects canine IL-18/IL-1F4 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 314811
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant canine IL-18/IL-1F4 Tyr37-Ser193 Accession # Q9XSR0
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
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 18, also known as interferon-gamma-inducing factor (IGIF) or IL-1γ, is an 18 kDa member of the IL-1 superfamily which shares biologic activities with IL-12. IL-18 is expressed by liver cells, monocyte/macrophages, osteoblasts and keratinocytes. Mature canine IL-18 shares 73% sequence identity with human IL-18. Caspase-1 (IL-1 beta-converting enzyme) has been shown to process pro-IL-18 to active IL-18. Human IL-18 has been shown to enhance NK cell activity, induce the production of IFN-γ and GM-CSF and inhibit the production of IL-10 by PBMCs.

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