

**DESCRIPTION**

<b>Species Reactivity</b>	Canine
<b>Specificity</b>	Detects canine IL-18/IL-1F4 in direct ELISAs and Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 314811
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant canine IL-18/IL-1F4 Tyr37-Ser193 Accession # Q9XSR0
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Immunocytochemistry</b>	Optimal dilution of this antibody should be experimentally determined.

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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.

**PRODUCT SPECIFIC NOTICES**

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