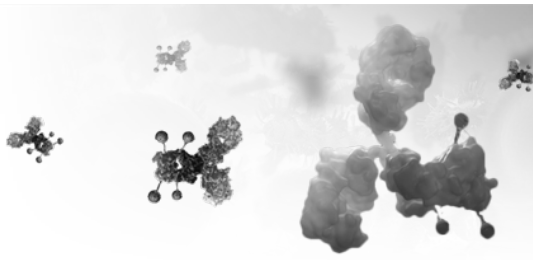

Rat Anti-Mouse IL-18 Monoclonal antibody, clone YIGIF74-1G7 (CABT-L4488)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The YIGIF74-1G7 monoclonal antibody reacts with mouse IL-18, an 18 kDa pro-inflammatory cytokine. IL-18 is expressed by activated macrophages, keratinocytes, Kupffer cells, intestinal epithelial cells, and osteoblasts. IL-18 has been shown to activate NF-κB, induce Fas ligand expression, induce both CC and CXC chemokine expression, and enhance the production of IFNγ and GM-CSF.
Target	Mouse IL-18
Immunogen	CHO transfected cells expressing the C57BL/6 allele of NKG2A and CD94
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	YIGIF74-1G7
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo IL-18 neutralization
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific

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Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Keywords	IL18;interleukin 18;IGIF;IL-18;IL-1g;IL1F4;interleukin-18;interleukin-18;IFN-gamma-inducing factor;IL-1 gamma;iboctadekin interleukin 18 (interferon-gamma-inducing factor);interleukin-1 gamma

GENE INFORMATION

Official Symbol	interleukin 18
Synonyms	IL18; interleukin 18; IGIF; IL-18; IL-1g; IL1F4; interleukin-18; interleukin-18; IFN-gamma-inducing factor; IL-1 gamma; iboctadekin interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma
References	Cohen, T. S., et al. (2018). "S. aureus Evades Macrophage Killing through NLRP3-Dependent Effects on Mitochondrial Trafficking." Cell Rep 22(9): 2431-2441. PubMed;

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