

Rabbit Anti-IL18 antibody

SL0529R

Product Name IL18

Chinese Name 白细胞介素-18/Interferon γ 诱导因子抗体

Alias Interleukin-18; interferon gamma-inducing factor IGIF; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; Iboctadekin; IFN gamma inducing factor; IGIF; IL 1 gamma; IL 18; IL-18; IL 1g; IL1 gamma; IL18 protein; IL1F4; IL1g; IL1gamma; ILIF4; Interferon gamma inducing factor; Interleukin 1 gamma; Interleukin18; MGC12320; IL18_MOUSE.

Research Area immunology

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human

Applications WB=1:500-2000 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 22kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from mouse IL-18: 51-120/192

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution Human1M TBS(pH7.4) with 1% BSA, Human3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

[PubMed](#)

IL18 (IFN-gamma-inducing factor, IGIF) is a novel pro-inflammatory cytokine that augments natural killer (NK) activity in spleen cells. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

IL18 also has other biological properties such as stimulation of Fas ligand expression, and induction of CC and CXC chemokines. IL18 increases production of competent HIV. IL18 is related to the IL1 family. One of the IL18 receptor chains is the IL1 receptor-related protein, a member of the IL 1R family. Like IL1 , IL18 is first synthesized as a leaderless precursor requiring the IL1 converting enzyme (ICE) for cleavage into an active molecule. IL18 may play a role in tissue injury in inflammatory reactions.

Function:

Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells.

Subcellular Location:

Secreted.

**Product
Detail**

Similarity:

Belongs to the IL-1 family.

SWISS:

P70380

Gene ID:

16173

Database links:

[Entrez Gene: 3606 Human](#)

[Entrez Gene: 16173 Mouse](#)

[Omim: 600953 Human](#)

[SwissProt: Q14116 Human](#)

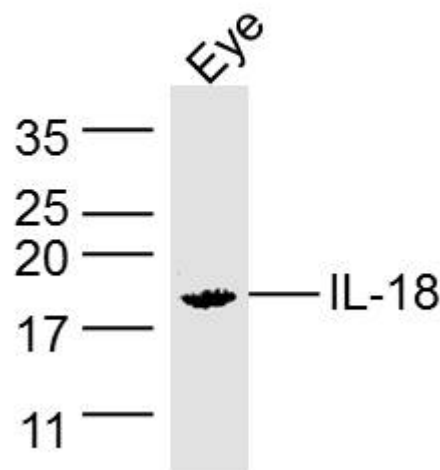
[SwissProt: P70380 Mouse](#)

[Unigene: 83077 Human](#)

[Unigene: 1410 Mouse](#)

IL-18 是巨噬细胞分泌的一个重要因子,它具有多种免疫功能,能诱导产生 I F N γ , 无论在病毒感染早期或特异性细胞免疫应答效应阶段都会出现,因此 IL-18 主要参与免疫应答及炎性细胞浸润的改变。Interleukin-18 又称 inteferon-gamma inducing factor(IGIF), 在辅助 T 细胞的应答反应中起重要作用。IL-18 和 IL-1 一起,既参与先天免疫,又是后天免疫的构成因素。

Product
Picture



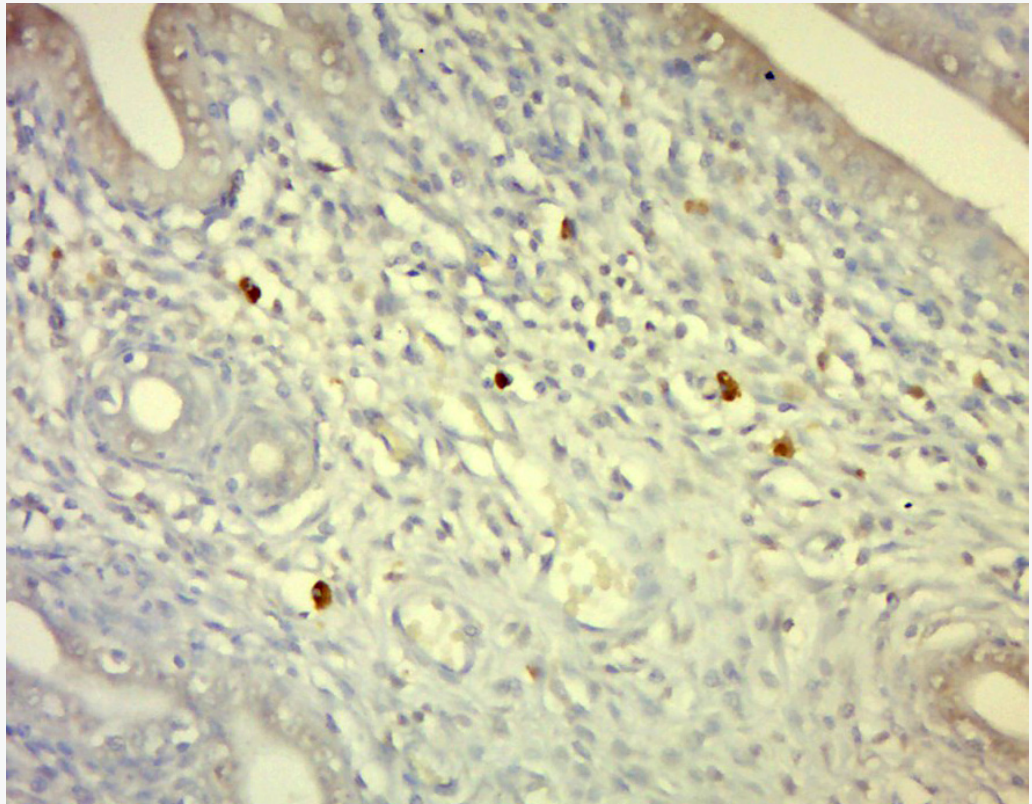
Sample:Eye (Mouse) Lysate at 40 ug

Primary: Anti-IL-18 (SL0529R) at 1/300 dilution

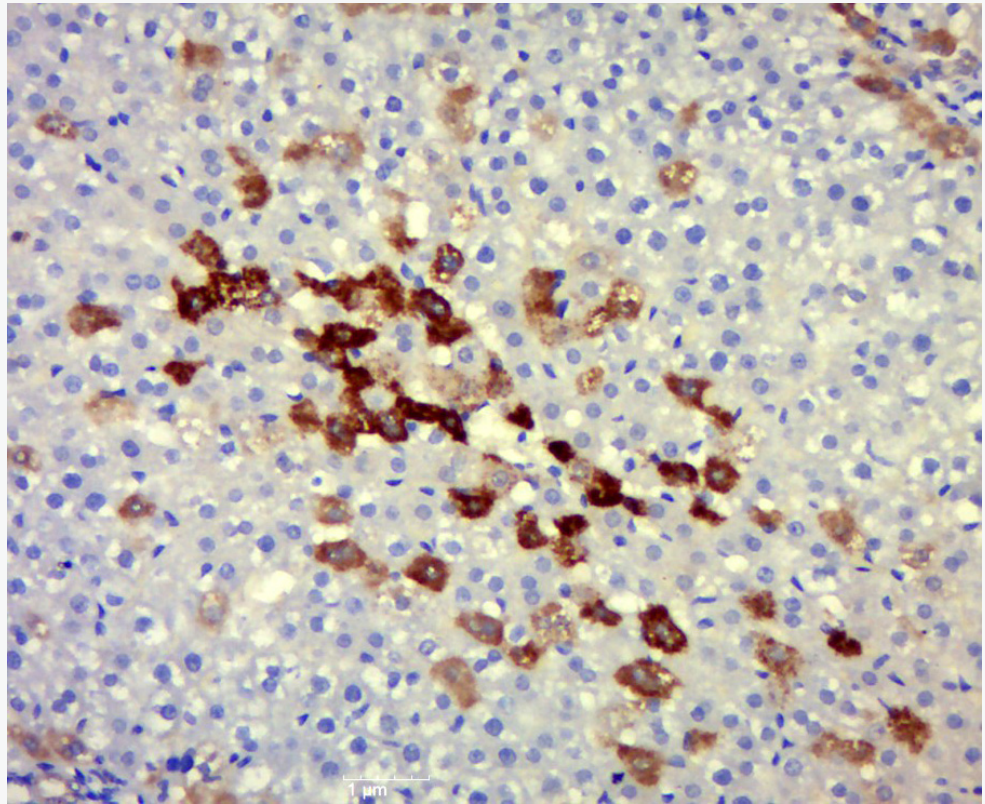
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 17 kD

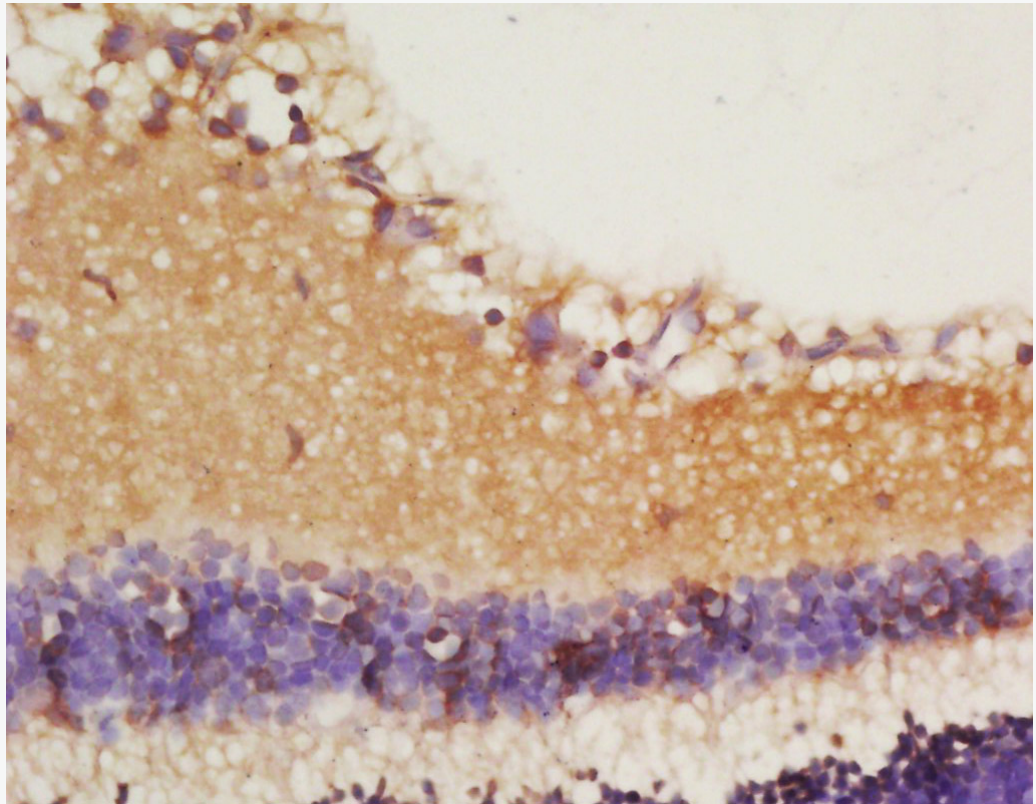
Observed band size: 18 kD



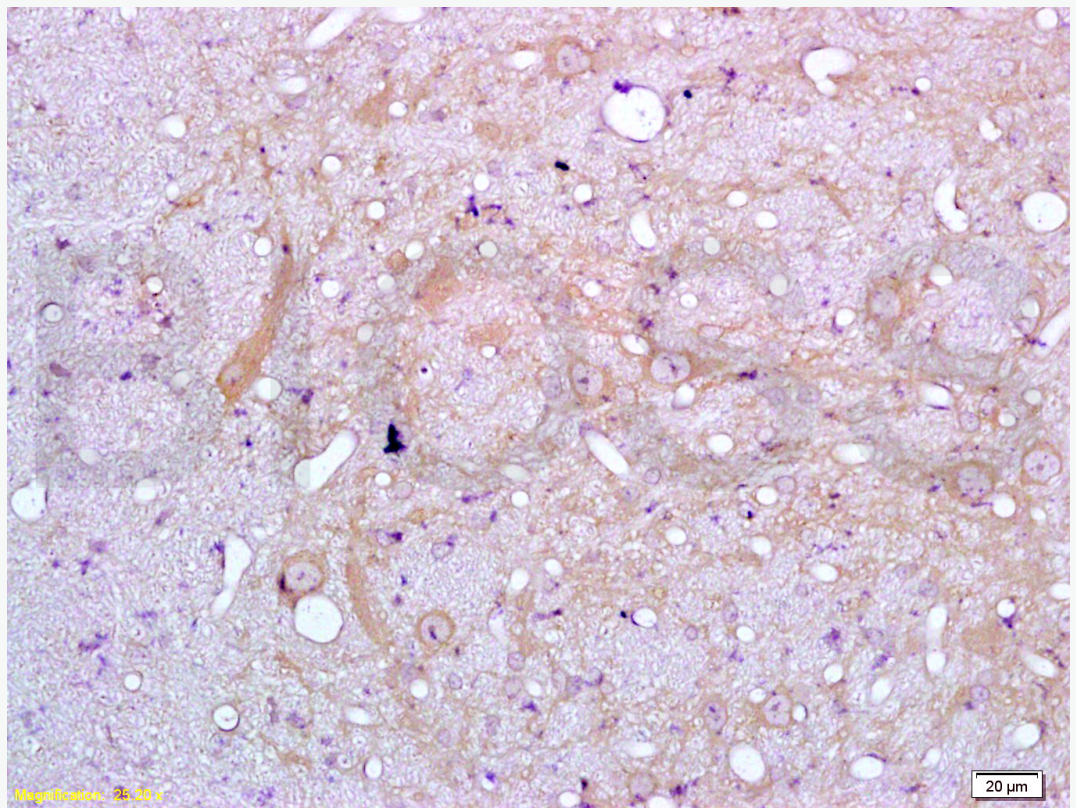
Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-18) Polyclonal Antibody, Unconjugated (SL0529R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-18) Polyclonal Antibody, Unconjugated (SL0529R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat retina tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (Human1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking
buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-IL-18 Polyclonal Antibody, Unconjugated(SL0529R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)
and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (Human1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking
buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-IL-18 Polyclonal Antibody, Unconjugated(SL0529R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)
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