

# Product datasheet

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ARG55332 anti-IL18 antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes IL18

Tested Reactivity Hu

Tested Application IP, WB
Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name IL18

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 37-193 of Human IL18 (NP\_001553.1).

Conjugation Un-conjugated

Alternate Names Iboctadekin; Interferon gamma-inducing factor; Interleukin-18; IL-18; IFN-gamma-inducing factor; IL-1

gamma; IGIF; IL-1g; Interleukin-1 gamma; IL1F4

# **Application Instructions**

Application table	Application	Dilution
	IP	Assay-dependent
	WB	1:500 - 1:1000
Application Note	IHC-P: PMID: 34603042 detected IL18 in paraffin-embedded ventricular tissues sections by this antibody.  * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

#### **Properties**

Form Liquid

**Purification** Affinity purification with immunogen.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Database links GeneID: 3606 Human

Swiss-port # Q14116 Human

Gene Symbol IL18

Gene Full Name interleukin 18

Background 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.[provided by RefSeq, Aug 2011]

Function Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-

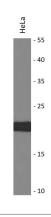
helper type I cells. [UniProt]

Research Area Cancer antibody; Immune System antibody; Metabolism antibody

Calculated Mw 22 kDa

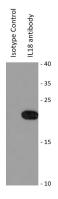
PTM The pro-IL-18 precursor is processed by CASP1 or CASP4 to yield the active form.

### **Images**



# ARG55332 anti-IL18 antibody WB image

Western blot: HeLa cell lysate stained with ARG55332 anti-IL18 antibody.



## ARG55332 anti-IL18 antibody IP image

Immunoprecipitation: 200  $\mu g$  extracts of HeLa immunoprecipitated and stained with ARG55332 anti-IL18 antibody.