

Recombinant IL-1RA Monoclonal Antibody

catalog number: **AN301912L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

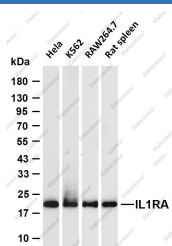
Reactivity	Human;Mouse;Rat
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111533
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:2000-1:10000
IHC	1:200-1:1000
IF	1:200-1:1000
IP	1:50-1:200
ELISA	1:5000-1:20000

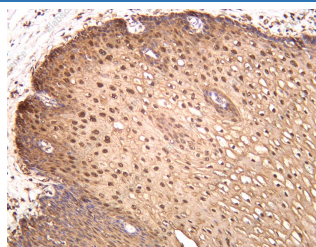
Data



Western blot analysis of Hela, K562, RAW264.7 and Rat spleen cell lysates using IL-1RA Antibody (AN301912L).

Observed-MW:20 kDa

Calculated-MW:17 kDa



Immunohistochemical analysis of paraffin-embedded Human esophagus sections using IL-1RA Antibody (AN301912L).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The founding members of the interleukin-1 (IL-1) superfamily include pro-inflammatory cytokines IL-1 α , IL-1 β and IL-1 receptor antagonist (IL-1RA). At least six similar proteins have been recently identified, including a homolog of IL-1RA (IL1F5). IL-1 α , IL-1 β and IL-1RA are mainly expressed in macrophages, monocytes, and dendritic cells. IL-1RA acts as an anti-inflammatory cytokine, binding the IL-1 receptor to limit the response to inflammation. Because it plays a key role in regulating the inflammatory response, recombinant IL-1RA is a therapeutic agent used in the treatment of diseases such as rheumatoid arthritis. Alternatively, mutation of the corresponding IL-1RA gene may be associated with susceptibility to the development of specific cancers.

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

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