

Rabbit Anti-IL-1RA/AP Conjugated antibody

SL2216R-AP

Product Name	Anti-IL-1RA/AP
Chinese Name	碱性磷酸酶（AP）标记的白介素-1 受体拮抗剂抗体
Alias	Interleukin-1 receptor antagonist; ICIL 1RA; IL1 inhibitor; ICIL1RA; IL1F3; IL1RN; IRAP; IL1RA_HUMAN.
Research Area	immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Sheep) IHC-P=1:100-500, IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	17kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human IL-1RA
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: IL1RA is a member of the Interleukin 1 cytokine family. This protein inhibits the activities of Interleukin 1, alpha (IL1A) and Interleukin 1, beta (IL1B), and modulates a variety of Interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Four alternatively spliced transcript variants

encoding distinct isoforms have been reported.

Function:

Inhibits the activity of interleukin-1 by binding to receptor IL1R1 and preventing its association with the coreceptor IL1RAP for signaling. Has no interleukin-1 like activity. Binds functional interleukin-1 receptor IL1R1 with greater affinity than decoy receptor IL1R2; however, the physiological relevance of the latter association is unsure.

Subcellular Location:

Isoform 1: Secreted.
Isoform 2, 3, 4: Cytoplasm.

Tissue Specificity:

The intracellular form of IL1RN is predominantly expressed in epithelial cells.

DISEASE:

Microvascular complications of diabetes 4 (MVCD4) [MIM:612628]: Pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry.

Interleukin 1 receptor antagonist deficiency (DIRA) [MIM:612852]: A rare autoinflammatory disease of skin and bone resulting in sterile multifocal osteomyelitis, periostitis, and pustulosis from birth. The term autoinflammatory disease describes a group of disorders characterized by attacks of seemingly unprovoked inflammation without significant levels of autoantibodies and autoreactive T-cells. Note=The disease is caused by mutations affecting the gene represented in this entry.

Database links:

[Entrez Gene: 3557](#) Human

[Entrez Gene: 16181](#) Mouse

[Entrez Gene: 60582](#) Rat

[Omim: 147679](#) Human

[SwissProt: P18510](#) Human

[SwissProt: P25085](#) Mouse

[SwissProt: P25086](#) Rat

[Unigene: 81134](#) Human

[Unigene: 882](#) Mouse

[Unigene: 162640](#) Rat

Important Note:

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

IL-1 受体拮抗剂(IL-1ra)是 IL-1 强有力的内生拮抗剂,通过与白细胞介素-1 的I型和II型受体结合,特异性地阻断白细胞介素-1 的生物学作用。白细胞介素 1 受体拮抗剂(IL-1Ra)是体内天然的一种对 IL-1 有拮抗作用的 cell factor。