

Product datasheet for **AP07592PU-N**

IL1 Receptor II (IL1R2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	ELISA. Immunofluorescence. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Immunoprecipitation. Western Blot.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Human IL-1R type II.
Specificity:	Recognizes CD121b / IL1R2.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% (w/v) Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 receptor type 2
Database Link:	Entrez Gene 7850 Human P27930



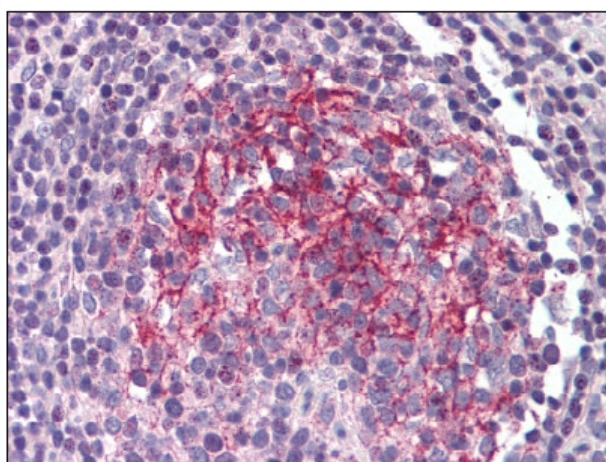
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Background:

CDw121b is a 65 kD member of the immunoglobulin superfamily also known as IL-1 receptor (IL-1R) type II. The IL-1R family is composed of three proteins: IL-1R type I, IL-1R type II, and the widely expressed IL-1R AcP. Both IL-1R type I and type II bind IL-1 alpha and IL-1 beta, although with differing affinities. The high affinity complex consists of IL-1R type I and IL-1R AcP, whereas IL-1 binds to IL-1R type II with low affinity. The IL-1 receptor antagonist (IL-1RA) can bind to both IL-1R type I and II. IL-1R type II is expressed at low levels on B cells, monocytes/macrophages, neutrophils, basal epithelia of the skin, and T cells. Binding of IL-1 to the high affinity IL-1 receptor mediates thymocyte and T cell activation, fibroblast proliferation, and induction of acute phase protein production. Binding of IL-1 to CDw121b appears to be dispensable for IL-1 signaling and may negatively regulate IL-1 responses acting as a decoy receptor.

Synonyms:

Interleukin-1 receptor type II, IL-1R-2, IL-1R-beta, CDw121b, IL1RB

Product images:

AP07592PU-N CD121b/IL1R2 antibody staining of Formalin-Fixed Paraffin-Embedded Human Small intestine, Peyer's patch at 10 ug/ml followed by biotinylated goat anti-Rabbit IgG secondary antibody, Alkaline Phosphatase-Streptavidin and Chromogen.