

## Rabbit Anti-IL-1R2/AF350 Conjugated antibody

SL2595R-AF350

<b>Product Name</b>	Anti-IL-1R2/AF350
<b>Chinese Name</b>	AF350 标记的白介素 1 受体 2 抗体
<b>Alias</b>	IL1 Receptor II; IL-1R II; IL1 Receptor 2; interleukin-1 receptor type 2 precursor; IL1R2; CD121b; IL1RB; CD121; CD121 antigen-like family member B; CD121b; CD121B Antigen; CDW121B; IL-1R-2; IL-1R-beta; IL-1R2; IL-1RT-2; IL-1RT2; IL1R Beta; Il1r-2; IL1R2; IL1RB; Interleukin 1 receptor, beta, type II; Interleukin 1 receptor, type II; Interleukin-1 receptor beta; Interleukin-1 receptor type 2; MGC137383; MGC47725; p68; IL1 Receptor II; IL1R2_HUMAN.
<b>Research Area</b>	immunology Stem cells lymphocyte b-lymphocyte
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Rat(predicted:Mouse,Dog)
<b>Applications</b>	Flow-Cyt=1µg/test,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	44kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human IL-1R II
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
<b>Storage</b>	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.
<b>Product Detail</b>	<b>background:</b>

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4(IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Two alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq].

**Function:**

Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

**Subcellular Location:**

Isoform Short: Secreted.

Isoform Long: Cell membrane; Single-pass type I membrane protein.

**Post-translational modifications:**

A soluble form (sIL1R2) can also be produced by proteolytic cleavage at the cell surface (shedding) involving a metalloproteinase; however, several sIL1R2 forms ranging from 45 and 60 kDa are reported.

**Similarity:**

Belongs to the interleukin-1 receptor family.

Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

**Database links:**

[Entrez Gene: 7850](#) Human

[Omim: 147811](#) Human

[SwissProt: P27930](#) Human

[Unigene: 25333](#) Human

**Important Note:**

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

IL-1RII属于新的信号受体家族 TollSignal transduction 通路蛋白，IL-1RII 在免疫和炎症反应的研究中占重要地位，是在很多感染、炎症性致病机制中起决定性作用的 cell factor，几乎可作用于全身各种细胞，IL-1 与 IL-1RII的结合可导致大量与免疫反应和炎症相关基因的表达，包括 cell factor、cell factor 受体、急性期反应物、生长因子、胞外基质、粘附分子等。IL-1RII/NF- $\kappa$ B 信号通路是机体免疫反应中十分重要的组成部分。