

## IL-1R2 polyclonal antibody

Catalog: BS67514

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

IL-1R2 is a type I transmembrane glycoprotein that is expressed predominantly by cells of the myeloid lineage. Like IL-1R1, the extracellular domain of IL-1R2 is capable of binding to all three forms of IL-1. Unlike IL-1R1, however, membrane-bound IL-1R2 has a short cytoplasmic tail and does not transduce signals upon binding IL-1 but rather functions as a decoy receptor to dampen IL-1 signaling. As a negative regulator of the IL-1 receptor signaling complex, research studies have also demonstrated that membrane-bound IL-1R2 undergoes regulated intramembrane proteolysis in response to pro-inflammatory molecules. This process converts the extracellular domain of IL-1R2 into a soluble decoy receptor capable of binding IL-1, limiting its capacity to elicit productive signals through membrane-bound IL-1R1. Recent studies have demonstrated that some types of human cancers are enriched with regulatory T cells that express high levels of IL-1R2, an attribute that may contribute to their role in immunosuppression.

### Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 47 kDa

### Swiss-Prot:

P27930

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000)

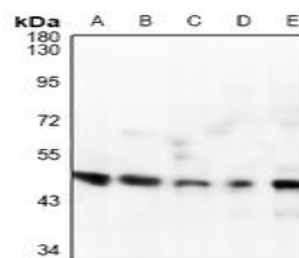
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of IL-1R2 protein.

### DATA:



Western blot analysis of IL-1R2 expression in rat lung (A), mouse spleen (B), SHSY5Y (C), Myla2059 (D), A549 (E) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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