

## Product datasheet for **AM26271PU-N**

### IL1 Receptor II (IL1R2) Mouse Monoclonal Antibody [Clone ID: 8.5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	8.5
Applications:	ELISA, WB
Recommended Dilution:	Flow cytometry: The typical starting working dilution is 1:50. Immunoassay. Western blot: The typical starting working dilution is 1:50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody reacts specifically with IL-1RII.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: containing 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 receptor type 2
Database Link:	<a href="#">Entrez Gene 7850 Human P27930</a>



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**Background:**

The IL-1 system includes two agonists (IL-1alpha and IL-1beta), converting enzymes, antagonists, two receptors (IL-1RI and IL-1RII) and the IL-1 receptor accessory protein. The IL-1RII is part of the antagonistic IL-1 mechanism. It is also known as decoy receptor and is a non signaling molecule which functions by capturing IL-1 and preventing it from interacting with the signalling IL-1RI. The decoy IL-1RII can after binding to IL-1 also recruit the IL-1 receptor accessory protein and thus inhibit by coreceptor competition. Further a soluble form of IL-1RII exists which is shed, a process in which matrix metalloproteases have been found to play a role, by various cells including monocytes, polymorphonuclear cells, B cells and fibroblasts.

**Synonyms:**

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