

Product datasheet for **AM26365PU-N**

IL1RA (IL1RN) (IL-1ra3) Mouse Monoclonal Antibody [Clone ID: 2D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D11
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: The typical starting working dilution is 1:10. Immunoassays. Western blot: The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody reacts specifically with Human IL-1ra3. Other species not tested.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 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 antagonist
Database Link:	Entrez Gene 3557 Human P18510



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Background:

IL-1ra3 belongs to the IL-1 system which includes two agonists (IL-1alpha and IL-1beta), converting enzymes, antagonists, two receptors (IL-1 R I and IL-1 R II) and the IL-1 receptor accessory protein. Three molecular isoforms of the IL-1 receptor antagonist (IL-1ra) have been identified and cloned. Secreted IL-1ra (sIL-1ra or IL-1ra1) contains a classical leader peptide giving a released mature protein. Two intracellular isoforms, icIL-1ra type I (IL-1ra2) and icIL-1ra type II (IL-1ra3), have no leader sequence, thus predicting that these proteins remain intracellular. IL-1ra3 may represent a reservoir of IL-1 inhibitors, released upon cell death, whose function is to limit the pro-inflammatory action of cell debris. Studies have shown that IL-1ra3 is expressed by various cell types upon exposure to inflammatory signals but most prominently by mononuclear phagocytes and keratinocytes.

Synonyms:

IL1F3, IL-1ra, IL-1RN, IRAP, IL1 inhibitor, ICIL-1RA