

AM20494PU-N**Monoclonal Antibody to CD121a / IL1R1 (Extracell. Dom.) - Purified**

Alternate names:	IL-1R-alpha, IL1R, IL1RA, IL1RT1, Interleukin-1 receptor alpha, Interleukin-1 receptor type 1, Interleukin-1 receptor type I
Quantity:	50 µg
Concentration:	0.77 mg/ml
Background:	IL1R is a member of the interleukin 1 receptor family. An experiment with transient gene expression demonstrated that this receptor was incapable of binding to interleukin 1 alpha and interleukin 1 beta with high affinity. IL1R is a receptor for interleukin 1 family member 9 (IL1F9). Binding to the agonist leads to the activation of NF-kappa-B. The gene for this protein and four other interleukin 1 receptor family genes, including interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2), interleukin 1 receptor-like 1 (IL1RL1), and interleukin 18 receptor 1 (IL18R1), form a cytokine receptor gene cluster in a region mapped to chromosome 2q12.
Uniprot ID:	P14778
NCBI:	NP_000868
GeneID:	3554
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	40101
Immunogen:	Extracellular domain of the type I Human IL-1 receptor
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein G Buffer System: PBS, pH 7.4
Applications:	ELISA. Immunohistochemistry on Paraffin Sections: 10 µg/ml. RIA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	These antibodies react with cell surface and soluble human IL-1 receptor. Specific epitopes are unknown, but they do partially inhibit (30-50%) binding of one another to IL-1 receptor. They do not block binding of IL-1 to receptor, and they do not cross-react with receptors for Human IL-2 or IL-4.
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. Shelf life: one year from despatch.

Pictures:

AM20494PU-N IL1R1 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Placenta at 10 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

