

Datasheet for ABIN263862
anti-IL1R1 antibody (Extracellular Domain)



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Overview

Quantity:	0.2 mg
Target:	IL1R1
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL1R1 antibody is un-conjugated
Application:	Radioimmunoassay (RIA), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	The extracellular domain of the type I human IL-1 receptor
Clone:	BDI204
Isotype:	IgG2a
Specificity:	This antibody reacts with cell surface and soluble human IL-1 receptor. Does not block binding of IL-1 to receptor. Does not cross react with receptors for human IL-2 or IL-4.
Characteristics:	Synonyms: Interleukin-1 receptor type I, IL-1R-1, IL-1RT1, IL-1R-alpha, p80, IL1RA, IL1RT1, CD121antigen-like family member A
Purification:	Protein G chromatography

Target Details

Target:	IL1R1
Alternative Name:	CD121a / IL1R1 (IL1R1 Products)
Background:	IL1 binds antigen CD121a, which is a transmembrane glycoprotein and a member of the immunoglobulin superfamily expressed on T cells, thymocytes, dendritic cells, fibroblasts, vascular endothelial cells, epithelial cells and neural cells. CD121a binds the mature forms of IL1 alpha, IL1 beta, and IL1 Ra proteins. High affinity binding and signalling by the type I IL1 receptor requires CD121a and the accessory protein, IL1 R AcP, which does not bind IL1 alone, but forms a dimer capable of binding IL1. Interleukin 1 (IL1), which has a role as a mediator in inflammation, consists of 2 separate but related proteins, IL1 alpha and IL1 beta. Cell surface receptors for the 2 forms of IL1 are identical. IL1R Type I contains a single membrane spanning segment, a large cytoplasmic region, and an extracellular, IL1 binding portion composed of 3 immunoglobulin like domains.Synonyms: IL-1R-alpha, IL1R, IL1RA, IL1RT1, Interleukin-1 receptor alpha, Interleukin-1 receptor type 1, Interleukin-1 receptor type I
Gene ID:	3554
UniProt:	P14778
Pathways:	NF-kappaB Signaling , Carbohydrate Homeostasis , Cancer Immune Checkpoints

Application Details

Application Notes:	ELISA: Can be used as capture reagents or second antibody at a concentration of 5g/mL. RIA: Concentrations of 20-30 ng/mL of these antibodies will bind radiolabeled IL-1 receptorin a radioimmunoassay format. Immunohistochemistry: IL-1 receptor can be detected on cultured cells using antibodyconcentrations of 10-100g/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	2.2mg/mL (OD280nm)
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	Store the antibody at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Handling

Expiry Date: 12 months