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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IL-1R1 [Antibody 6] Standard Size Ab03374-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG2 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Lambda

Clone Number: Antibody 6

Alternative Name(s) of Target: CD121a; IL1R1; IL1R; IL1RA; IL1RT1; Interleukin-1 receptor type 1; IL-1R-1; IL-1RT-1; IL-1RT1; CD121 antigen-like family member A; Interleukin-1 receptor alpha; IL-1R-alpha; Interleukin-1 receptor type I; p80

UniProt Accession Number of Target Protein: P14778

Published Application(s): inhibit, FC

Published Species Reactivity: Human, Cynomolgus Monkey

Immunogen: The original antibody was isolated from a naïve human single chain Fv (scFv) phage display libraries using a series of selection cycles on recombinant human IL-1R1. The scFv was later reformatted to the human IgG1 version.

Specificity: This antibody binds human IL-1R1 and cynomolgus monkey IL-1R1 but does not cross react with mouse IL-1R1. This antibody binds an epitope containing amino acids in a discontinuous epitope of 33 amino acids in three regions of human IL-1R1; N123-V134, L140-K157 and K178-R180. The human IL-1R1 protein acts as a receptor for IL1A, IL1B and IL1RN.

Application Notes: The binding affinity of this antibody to human IL-1R1 was determined using kinetic exclusion assay. It was reported that the human IgG1 version of this antibody binds human IL-1R1 with a binding affinity of 3.05 pM. The human IgG1 version of this antibody shows the inhibition of IL-1β induced IL-8 release from HeLa cells. The IgG2 version was capable of inhibition of IL-1β and IL-α induced IL-8 release from HeLa cells. The binding of this antibody was capable of inhibiting binding of IL-1Ra binding to IL-1R1. This antibody was reported to inhibit huIL-1β-induced IL-8 release from CYNOM-K1 cells. The human IgG1 and IgG2 versions of this antibody was capable of inhibiting IL-6 production in human whole blood. The IgG2 version also blocked IL-1 activity (US8298533).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.