



Anti-Human IL-1 beta (#5S33)

20230310DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M777
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of IL-1b.

Target Background

Synonyms (Target):	IL1B; IL-1; IL1F2; IL1-BETA
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IL-1 is a name that designates two proteins, IL-1 alpha and IL-1 beta, that are the products of distinct genes, but recognize the same cell surface receptors. IL-1 alpha and IL-1 beta are structurally related polypeptides that show approximately 25% homology at the amino acid level. Both proteins are produced by a wide variety of cells in response to stimuli such as those produced by inflammatory agents, infections, or microbial endotoxins.

Database References Target

Protein RefSeq:	NP_000567
Uniprot ID:	P01584
mRNA RefSeq:	NM_000576

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#5S33)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Human recombinant IL-1beta
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB, ICC, N/B

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!