



Anti-IL1B monoclonal antibody, clone 9627.422 (CABT-34274MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal antibody to Human IL1B.
Antigen Description	Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. In addition to the M or N and S or s antigens that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta, as well as Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are the result of gene recombinations between GYPA and GYPB.
Specificity	By ELISA and immunoblotting, the antibody shows In addition the antibody shows no cross-reactivity with rmlI1 alpha, rhIL1 ralpha, rmIL1 ralpha, and rrIL1 ralpha. The antibody will not neutralize the biological activity of rhIL1 alpha, rmIL1 alpha or rmlL
Immunogen	Recombinant human IL1 beta (rhIL1 beta), expressed in E. coli.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	9627.422
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, Neut, Blocking, WB, FC, ICC/IF Recommended dilution:

ICC/IF: 8-25 ug/mL; FC(intracellular staining): 2.5 ug/10⁶ cells; Neutralization: 0.001-0.003 ug/mL; WB: 1 ug/mL

Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Sequence Similarities	Belongs to the IL-1 family.
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Concentration	0.500 mg/ml
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	IL1B interleukin 1, beta [Homo sapiens]
Official Symbol	IL1B
Synonyms	IL1B; interleukin 1, beta; interleukin-1 beta; IL 1B; IL1 BETA; IL1F2; Catabolin; H1; Hematopoietin 1; IFN beta inducing factor; IL 1; IL 1 beta; IL 1B; IL-1 beta; IL1B; IL1B_HUMAN; IL1F2; Interleukin 1 beta; Interleukin 1 beta precursor; Interleukin-1 beta; LAF; OAF; Osteoclast activating factor; Preinterleukin 1 beta; Preinterleukin beta; Pro interleukin 1 beta; IL-1 beta; catabolin; OTTHUMP00000162031; preinterleukin 1 beta; pro-interleukin-1-beta; IL-1; IL1-BETA;
Entrez Gene ID	3553
Protein Refseq	NP_000567
UniProt ID	P01584
Chromosome Location	2q14
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved

Function

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