

Human anti-Human IL-1 beta Monoclonal Antibody | anti-IL-1beta antibody

Recombinant anti-human-IL-1 beta Antibody (Canakinumab Biosimilar)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78589	Human	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, ELISA, Functional Assay

PRODUCT SYNONYMS

IL-1 beta; Monoclonal Antibody; Recombinant anti-human-IL-1 beta Antibody (Canakinumab Biosimilar); Interleukin-1 beta; Catabolin; IL-1 Beta; Canakinumab; anti-IL-1beta antibody

PRODUCT SPECIFICATIONS

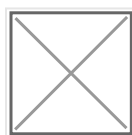
Host	Human
Reactivity	Human
Clonality	Monoclonal
Isotype	Human IgG1
Specificity	Human IL1 beta. Does not cross react with other members of the interleukin-1 family.
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Form/Format	Purified. Lyophilized from sterile PBS, pH7.4. Normally 5 %-8% trehalose is added as protectants before lyophilization. Not Sterile
Applicable Applications for anti-IL-1beta antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, FA (Functional Assay)
Source	Recombinant in Human cells
Preparation and Storage	Store at -20 degree C (Avoid repeated freezing and thawing)

IMAGES



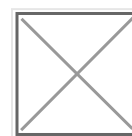
SDS-PAGE

Fig. 3: Coomassie staining of SDS-PAGE gel loaded with Anti-IL-1beta (Canakinumab biosimilar) mAb.



ELISA

Figure 1. ELISA plate pre-coated by 1ug/mL (100 ul/well) Human IL1B Protein, hFc Tag can bind Anti-IL1B Neutralizing antibody (AAA78589) in a linear range of 0.61-156.25ng/mL.



FCM/FACS (Flow Cytometry)

Figure 2. Flow cytometry analysis with 1ug/mL Anti-IL1B (canakinumab biosimilar) mAb (AAA78589) on Expi293 cells transfected with Human IL1B protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

ADDITIONAL INFORMATION

Related Product Information for anti-IL-1beta antibody	Canakinumab is a recombinant, human anti-human-IL-1beta monoclonal antibody that belongs to the IgG1/kappa isotype subclass with a molecular mass of 145157 Daltons when deglycosylated. Canakinumab binds to human IL-1beta and neutralizes its inflammatory activity by blocking its interaction with IL-1 receptors, but it does not bind IL-1alpha or IL-1 receptor antagonist (IL-1ra).
Product Categories/Family for anti-IL-1beta antibody	recmAb; Recombinant Biosimilar Antibodies
References	1. Church LD, McDermott MF: Canakinumab, a fully-human mAb against IL-1beta for the potential treatment of inflammatory disorders. Curr Opin Mol Ther. 2009 Feb;11(1):81-89. 2. Lachmann HJ, et al.: Use of canakinumab in the cryopyrin-associated periodic syndrome. N Engl J Med. 2009 Jun 4;360(23):2416-25. doi:10.1056/NEJMoa0810787

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NM_000576.2
UniProt Accession #	P01584; Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6
Molecular Weight	Calculated: 30 kDa; Observed: 36 kDa
NCBI Official Full Name	interleukin-1 beta proprotein
NCBI Official Synonym Full Names	interleukin 1, beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
NCBI Protein Information	interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta
UniProt Entry Name	IL1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/il-1-beta-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-functional-assay-elisa/78589>