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10-2003: Recombinant anti-human-IL-1 beta Antibody (Canakinumab)

Clonality :	Monoclonal
Application :	Functional Assay,IP,ELISA,ICC/IF,IHC,FACS
Reactivity :	Human
Gene :	IL1B
Gene ID :	3553
Uniprot ID :	P01584
Format :	Purified
Alternative Name :	Interleukin-1 beta, Catabolin

Description

Target: IL-1 Beta
Generic name: Canakinumab
Product Origin: Recombinant in CHO cells

Canakinumab is a recombinant, human anti-human-IL-1β monoclonal antibody that belongs to the IgG1/κ isotype subclass with a molecular mass of 145157 Daltons when deglycosylated. Canakinumab binds to human IL-1β 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).

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

Product Info

Amount :	50 µg
Purification :	Purity: >98.0% as determined by SEC-HPLC & SDS-PAGE.
Content :	10mM Phosphate pH-7.0, 150 mM NaCl, 20% Glycerol
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.
Amino Acid :	PepMap Analysis of N terminal amino acids sequence : H chain: QVQLVESGGG, L chain: EIVLTQSPDFQS

Application Note

Specificity: Human IL1 beta. Does not cross react with other members of the interleukin-1 family.

Inquire for more than 1 mg quantities.

Availability 5-7 weeks.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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