

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

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| 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-1 β monoclonal antibody that belongs to the IgG1/ κ isotype subclass with a molecular mass of 145157 Daltons when deglycosylated. Canakinumab binds to human IL-1 β and neutralizes its inflammatory activity by blocking its interaction with IL-1 receptors, but it does not bind IL-1 α 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

| | |
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| Amount : | 50 μ g |
| 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.

