

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

<b>Clonality :</b>	Monoclonal
<b>Application :</b>	Functional Assay,IP,ELISA,ICC/IF,IHC,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	IL1B
<b>Gene ID :</b>	3553
<b>Uniprot ID :</b>	P01584
<b>Format :</b>	Purified
<b>Alternative Name :</b>	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 $\beta$  monoclonal antibody that belongs to the IgG1/ $\kappa$  isotype subclass with a molecular mass of 145157 Daltons when deglycosylated. Canakinumab binds to human IL-1 $\beta$  and neutralizes its inflammatory activity by blocking its interaction with IL-1 receptors, but it does not bind IL-1 $\alpha$  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

<b>Amount :</b>	50 $\mu$ g
<b>Purification :</b>	Purity: >98.0% as determined by SEC-HPLC & SDS-PAGE.
<b>Content :</b>	10mM Phosphate pH-7.0, 150 mM NaCl, 20% Glycerol
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.
<b>Amino Acid :</b>	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.

