



Datasheet for ABIN7490683

IL18BP Protein (AA 31-192) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	IL18BP
Protein Characteristics:	AA 31-192
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL18BP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Canis IL18BP protein with C-terminal human Fc tag
Specificity:	IL18BP (Thr31-Phe192) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL18BP
Alternative Name:	IL18BP (IL18BP Products)
Background:	Interleukin-18-binding protein (IL-18BP) is a constitutively expressed and secreted protein. IL-

Target Details

18BP is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18) and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. The adjacently located family members IL18 Receptor 1 (IL18R1) and IL18 receptor accessory protein (IL18RAP) may also be important in the development of asthma and atopy. IL-18 binding protein (IL-18BP) was only moderately elevated, resulting in a high level of biologically active free IL-18 in HPS. A severe IL-18/IL-18BP imbalance results in Th-1 lymphocyte and macrophage activation, which escapes control by NK-cell cytotoxicity and may allow for secondary HPS in patients with underlying diseases.

Molecular Weight: predicted molecular mass of 43.7 kDa after removal of the signal peptide. The apparent molecular mass of dIL18BP-hFc is 55-70 kDa due to glycosylation.

UniProt: [F1PLB5](#)

Application Details

Restrictions: For Research Use only

Handling

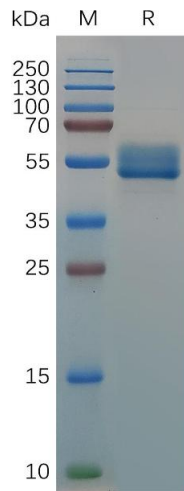
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Canis IL18BP Protein, hFc Tag on SDS-PAGE under reducing condition.