

Recombinant Mouse IL18BP

Cat No:HR2R2155

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	IL18BP
Gene ID	16068
Accession	Q9Z0M9
Alternative Name	IL-18BP, Interferon gamma-inducing factor-binding protein Recombinant Mouse Interleukin-18 Binding Protein (IL18BP)
Species	Mouse
Source	E. coli
Description	IL-18BP is a secreted protein that binds IL-18 with high affinity and prevents its interaction with the IL-18R. Different isoforms of IL-18BP have been demonstrated, four in human and two in the murine system, and biological activity is limited to particular isoforms. IL-18 binding protein (IL-18BP) is a constitutively expressed and secreted protein that resembles the extracellular domains of Ig-like receptors but has no transmembrane form. Because IL-18 is one of the early signals leading to IFN-gamma production by Th1 cells, blocking IL-18 activity by IL-18BP may be involved in down-modulation of the early phases of immune responses.
Functions	The activity of recombinant Interleukin-18 Binding Protein was determined by the ability to bind IL-18 in functional ELISA.
Formulation	Recombinant IL-18BP is supplied as an 0.2 ?m filtered PBS solution.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.