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IL-18 binding protein d Recombinant Protein

CATALOG NUMBER: 92-637

Specifications

SPECIES:	Mouse
SOURCE SPECIES:	Human Cells
SEQUENCE:	Thr29-Ala193
FUSION TAG:	C-Fc tag
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.

Properties

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PREDICTED MOLECULAR WEIGHT:	45.1 kD
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH2O.
STORAGE CONDITIONS:	Lyophilized protein should be stored at -20˚C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7˚C for 2-7 days. Aliquots of reconstituted samples are stable at -20˚C for 3 months.

Additional Info

ALTERNATE NAMES:	Interleukin 18 Binding Protein Isoform d, IL-18 BPd
ACCESSION NO.:	Q9Z0M9

Background

Interleukin 18 binding protein (IL-18BP) is a physiological inhibitor that acts through binding to the receptor-binding site of IL-18. IL-18 stimulates INF-gamma , which then stimulates 18BP production via NF-κB. The interaction between IL-18 and IL-18BP has a significant role in the inflammation process. IL-18 BPs have four isoforms, a, b, c and d, which are spliced by different ways. The IL-18 BP isoforms a and c each contain one immunoglobulin (Ig)-like C2-type domain which is essential to the binding and neutralizing properties of the binding proteins. The IL-18 BP isoforms b and d lack a complete Ig domain. The expression of IL-18 and the IL-18BP are indentified in immune tissues such as the spleen, but also in nonimmune cells including keratinocytes.

FOR RESEARCH USE ONLY

December 14, 2016