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## **IL18BP ELISA Kit**



#### Overview

Quantity:	1 kit
Target:	IL18BP
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 pg/mL
Application:	ELISA

#### **Product Details**

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: I18BP HUMAN, IL-18BP, IL18BP, Interleukin-18-binding protein, Tadekinig-alfa

8BP\_HUMAN, IL-18BP, IL18BP, Interleukin-18-binding protein, Tadekinig-alfa Background: Interleukin-18-binding protein, also known as IL18BPa, is a protein that in humans is encoded by the IL18BP gene. It is mapped to 11q13.4. The protein encoded by this gene is an inhibitor of the proinflammatory cytokine IL18. This protein binds to IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production. This protein is constitutively expressed and secreted in mononuclear cells. The expression of this protein can be enhanced by IFN-gamma. It has been found that IL18BP expression in intestinal tissue is increased in endothelial cells as well as cells of the submucosa and overlying lymphoid

aggregates in Crohn disease.

Gene Name: IL18BP

Production: Natural and recombinant human IL-18BP. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: T31-G194

### **Target Details**

Target:	IL18BP
Alternative Name:	IL-18BP (IL18BP Products)
Gene ID:	10068
NCBI Accession:	NP_001034748
UniProt:	O95998

#### **Application Details**

**Application Notes:** 

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/m human IL-18BP standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human IL-18BP standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 93.7pg/mL-6000pg/mL

Sample Volume:

100 μL

Plate:

Pre-coated

Restrictions:

For Research Use only

#### Handling

Ctorogo:	DT 4 °C 20 °C
Storage:	RT,4 °C,-20 °C

Storage Comment:

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid

cycles of freezing and thawing.