# IL18BP Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | IL18BP, Polyclonal Antibody |
| **Full Product Name** | IL18BP Antibody |
| **Product Gene Name** | anti-IL18BP antibody |
| **Product Synonym Names** | Interleukin-18-binding protein; IL-18BP; Tadekinig-alfa; IL18BP |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Specificity** | The antibody detects endogenous levels of total IL18BP protein. |
| **Preparation and Storage** | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |
| **Molecular Weight** | 21,099 Da |
| **Chromosome Location** | Chromosome: 11; NC_000011.9 (71709958..71713965). Location: 11q13 |
| **OMIM** | 604113 |
| **3D Structure** | ModBase 3D Structure for O95998 |
| **Immunogen** | Synthesized peptide derived from internal of human IL18BP. |
| **Product Categories/Family for anti-IL18BP antibody** | Primary Antibody |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-IL18BP antibody** | Western Blot (WB) |
| **Application Notes for anti-IL18BP antibody** | WB: 1:500~1:3000 |
| **Related Product Information for anti-IL18BP antibody** | Isoform A binds to IL-18 and inhibits its activity. Functions as an inhibitor of the early TH1 cytokine response. |
| **Product References and Citations for anti-IL18BP antibody** | Moss B., Virology 257:297-302 (1999).Sugano S., Nat. Genet. 36:40-45 (2004).Sakaki Y., Nature 440:497-500 (2006) |
| **Other Notes** | Small volumes of anti-IL18BP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for IL18BP purchase** | MBS8588786 is an antibody targeting IL18BP. Also known as IL18BP Antibody. Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL18BP. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 89111125 |
| **NCBI GeneID** | 10068 |
| **NCBI Accession #** | NP_001034748.1 |
| **UniProt Primary Accession #** | O95998 |
| **UniProt Secondary Accession #** | O95993; O96027; Q9NZA9; Q9UBR7; B3KUZ0; B7WPK4 |
| **UniProt Related Accession #** | O95998 |
| **GenBank Nucleotide #** | NM_001039659.1 |
| **NCBI Official Full Name** | interleukin-18-binding protein isoform a |
| **NCBI Official Synonym Full Names** | interleukin 18 binding protein |
| **NCBI Official Symbol** | IL18BP |
| **NCBI Official Synonym Symbols** | IL18BPa |
| **UniProt Protein Name** | Interleukin-18-binding protein |
| **UniProt Synonym Protein Names** | Tadekinig-alfa |
| **Protein Family** | Interleukin-18-binding protein |
| **UniProt Gene Name** | IL18BP |
| **UniProt Synonym Gene Names** | IL-18BP |
| **UniProt Entry Name** | I18BP_HUMAN |
| **NCBI Protein Information** | interleukin-18-binding protein; IL-18BP; tadekinig-alfa; MC51L-53L-54L homolog gene product |
| **NCBI Summary for IL18BP** | The protein encoded by this gene functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011] |
| **UniProt Comments for IL18BP** | IL18BP: Isoform A binds to IL-18 and inhibits its activity. Functions as an inhibitor of the early TH1 cytokine response. 3 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Secreted; Secreted, signal peptide<br><br>Chromosomal Location of Human Ortholog: 11q13<br><br>Cellular Component: extracellular space; extracellular region<br><br>Molecular Function: receptor antagonist activity; interleukin-18 binding<br><br>Biological Process: T-helper 1 type immune response; response to lipopolysaccharide |
| **Research Articles on IL18BP** | **1.** Imbalance between IL-18 and IL-18BP may play an important role in pathogenesis of idiopathic thrombocytopenic purpura. |
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