10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL18BP Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a full length recombinant IL18BP.
Catalog # AT2507a

Product Information

Application	WB, E
Primary Accession	O95998
Other Accession	BC044215
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2A9
Calculated MW	21099

Additional Information

Gene ID	10068
Other Names	Interleukin-18-binding protein, IL-18BP, Tadekinig-alfa, IL18BP
Target/Specificity	IL18BP (AAH44215, 31 a.a. ~ 194 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	IL18BP Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

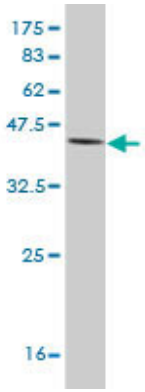
The protein encoded by this gene is an inhibitor of the proinflammatory cytokine IL18. This protein binds to IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production. This protein is constitutively expressed and secreted in mononuclear cells. The expression of this protein can be enhanced by IFN-gamma. An elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternative splicing results in multiple transcript variants.

References

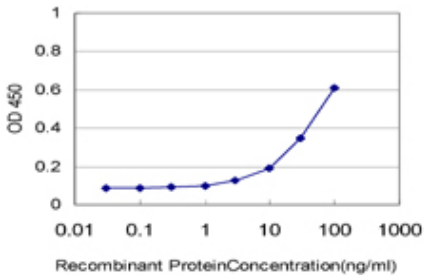
A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID

20673868.Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor with intact membranes. Romero R, et al. Am J Obstet Gynecol, 2010 May. PMID 20452482.Large-scale candidate gene analysis of spontaneous clearance of hepatitis C virus. Mosbruger TL, et al. J Infect Dis, 2010 May 1. PMID 20331378.Failure of interferon gamma to induce the anti-inflammatory interleukin 18 binding protein in familial hemophagocytosis. Nold-Petry CA, et al. PLoS One, 2010 Jan 13. PMID 20072626.Plasma IL-18 and IL-18BP are altered differently in reverse remodeling following aortic valve replacement. Majak P, et al. Scand Cardiovasc J, 2010 Apr. PMID 19961286.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (43.78 KDa) .



Detection limit for recombinant GST tagged IL18BP is approximately 3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.