



Mouse Anti-Human IL18 monoclonal antibody, clone 85912 (CABT-L957M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Anti-Human IL18 monoclonal antibody, clone 85912
Specificity	Detects the pro region of human IL-18/IL-1F4 in direct ELISAs and Western blots. Does not cross-react with recombinant human IL-18, recombinant mouse IL-18 or recombinant rat IL-18.
Immunogen	E. coli-derived recombinant human IL-18/IL-1F4
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	85912
Purification	Protein A or G purified from ascites
Conjugate	Unconjugated
Applications	Recommended dilution: WB: 2 µg/mL FC: 0.25 µg/10 ⁶ cells
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Store at -20°C.
Ship	Wet ice

BACKGROUND

Introduction	Pro-IL-18 (pro-Interleukin 18; also pro-IGIF and pro-IL-1 gamma) is a 24 kDa member of the IL-1 family of molecules. It is widely expressed, being produced by keratinocytes, intestinal epithelium, T cells, macrophages and osteoblasts. Human Pro-IL-18 is 193 amino acids (aa) in length. Although mature IL-18 induces IFN-gamma secretion by NK and T cells, Pro-IL-18 appears to have little intrinsic activity. Generally, active IL-18 is considered to arise from caspase-1 cleavage of Pro-IL-18 between Asp36-Tyr37. This generates an 18 kDa mature C-terminal fragment, and a 4 kDa (predicted) N-terminal prosegment that runs at 6 kDa in SDS-PAGE. Other proteases are known to process Pro-IL-18. Caspase-3 cleavage after Asp68 generates an inactive 14 kDa mature segment, Merpin beta -subunit cleavage after Asn52 generates a marginally active 17 kDa mature segment, while parasite Cys protease cleavage after Val47 generates an inactive 17 kDa mature molecule. One splice variant shows a deletion of aa 27-30. Over aa 2-36, human Pro-IL-18 shares 63% aa identity with mouse Pro-IL-18.
Keywords	Iboctadekin;IFN-gamma-inducing factor;IGIF;IGIFIL-1 gamma;IL18;IL-18;IL-18MGC12320;IL-1F4;IL1F4iboctadekin;IL-1g;Interferon gamma-inducing factor;interleukin 18 (interferon-gamma-inducing factor);Interleukin-1 gamma;interleukin-18

GENE INFORMATION

Official Symbol	interleukin 18
Synonyms	IL18; interleukin 18; IGIF; IL-18; IL-1g; IL1F4; interleukin-18; interleukin-18; IFN-gamma-inducing factor; IL-1 gamma; iboctadekin interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma
Entrez Gene ID	#3606
