Human Interleukin-18 (IL-18) monoclonal antibody

Category	monoclonal antibody
Catalog No.	R-I-003 (clone #6-2.6)
Applications	ELISA, WB, WES
Reactivity	Human

Immunogen information

Immunogen	Recombinant protein of human IL-18 (37-193)
UniProt ID	Q14116
Synonyms	IGIF, IL1F4
Gene ID	3606

Product information

Source	Mouse
Clone No.	6-2.6
Isotype	IgG1/2b
Epitope	human IL-18 (128-142)
Purification method	DEAE ion-exchange purification
Lot No.	001
Concentration	0.8 mg/mL (140 ul)
Buffer	50% glycerol/PBS, pH7.4, w/o sodium azide
Storage	Store at -20°C.

Recommended dilutions

WB	1:1000 – 1:2000
WES	1:200 – 1:250

Background

This gene encodes a member of the interleukin-1 (IL-1) family of cytokines. In addition to its role in the inflammatory response to microbes, recent studies implicate IL-18 as an important factor in human autoimmune, autoinflammatory, allergic, neurological and metabolic diseases. Similar to IL-1β, pro-IL-18 is processed by inflammatory caspase-1 or caspase-4 to yield mature, active form ($IL\text{-}18^{37\text{-}193}$).

References for human Interleukin-18 (IL-18) antibody (R-I-001)

PMID:	30615852	Journal:	Archives of Biochemistry and Biophysics
Application:	WB, IF, IP, function-blocking	IF (2020):	4.013
Title:	Generation and characterization of antagonistic anti-human interleukin (IL)-18 monoclonal antibodies with high affinity: Two types of monoclonal antibodies against full-length IL-18 and the neoepitope of the inflammatory caspase-cleaved active IL-18		

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