The company, mAbProtein, has been established to help patients, doctors, and researchers.



Human Interleukin-18 (IL-18) neoepitope monoclonal antibody

Category	monoclonal antibody	
Catalog No.	R-I-002 (clone # 9-10.2)	
Applications	WB, WES, IF, IP, function-blocking	
Reactivity	Human	

Immunogen information

Immunogen	human IL-18 (37-44) peptide	
UniProt ID	Q14116	
Synonyms	IGIF, IL1F4	
Gene ID	3606	

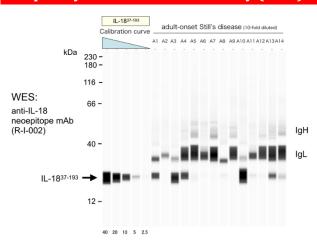
Product information

Source	Mouse	
Clone No.	9-10.2	
Isotype	lgG1	
Epitope	human IL-18 (37-44)	
Purification method	DEAE ion-exchange purification	
Lot No.	001	
Concentration	1.0 mg/mL	
Buffer	50% glycerol/PBS, pH7.4, w/o sodium azide	
Storage	Store at -20°C.	

Recommended dilutions

WB	1:1000 - 1:2000
WES	1:250 - 1:300
IF	1:50 - 1:200
IP	1:20 - 1:50

Capillary Western immunoassay (WES)



WES analysis of the serum of adult-onset Still's disease patients.

IL-18 bands in 6 (43%) of 14 AOSD samples were clearly visible and had a molecular weight corresponding to IL-18³⁷⁻¹⁹³ (Catalog # R-I-002)

WES is a registered trademark of ProteinSimple.

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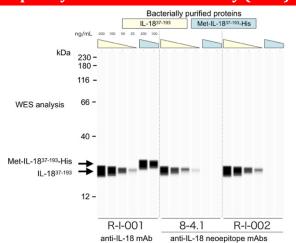
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Driving Innovation in Antibody Development

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Immunoprecipitation Immunoprecipitation : Still 10 nds anti-II -18 neoepitope mAbs Control tagi 2,1002 21,001 HEK-293 cells expressing IL-18³⁷⁻¹⁹³+G196-caspase lvsate 8-4.1 kDa 80 46 IgH 30 lgL 25 - IL-18full-length IL-1837-193 17 4

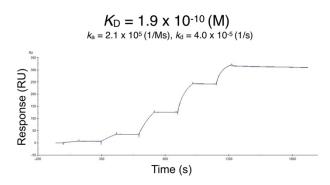
WB : anti-IL-18 rabbit pAb (B-I-001)

Characterization of novel mAbs against the neoepitope of human IL-18 cleaved by inflammatory caspase-1/4

Capillary Western immunoassay (WES) of serial dilutions of bacterially purified IL-18 protein cleaved by caspase-4 (IL-18³⁷⁻¹⁹³) (Catalog # P-I-001) and Met-IL-18³⁷⁻¹⁹³ with the newly generated neoepitope mAb (Catalog # R-I-002, right panel) and anti-IL-18 mAb (Catalog # R-I-001, left panel).

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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-1 β , pro-IL-18 is processed by inflammatory caspase-1 or caspase-4 to yield mature, active form (IL-18³⁷⁻¹⁹³).

References for human IL-18 neoepitope monoclonal antibody (R-I-002)

PMID:	30615852	Journal:	Archives of Biochemistry and Biophysics
Application:	WB, WES, 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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