

IL-18 recombinant antibody

Anti-IL-18 [SAIC-24B-4]

CATALOG #
AAA72029REACTIVITY
Human

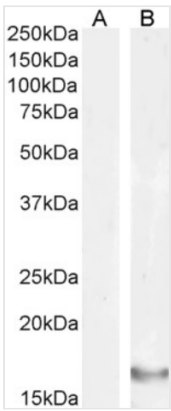
PRODUCT SYNONYMS

IL-18; Monoclonal Recombinant Antibody; Anti-IL-18 [SAIC-24B-4]; Interleukin-18; IGIF; IL1F4; IL-18 recombinant antibody

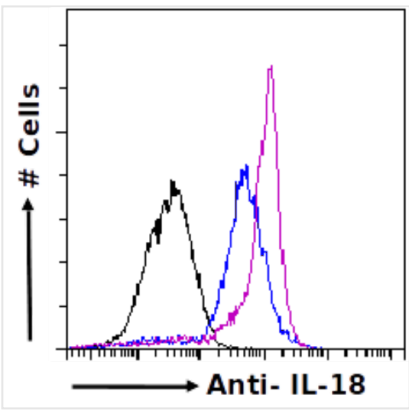
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	SAIC-24B-4
Specificity	Recognizes human IL18.
Purity/Purification	Protein A Affinity Purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Sequence Length	189
Antibody Type	Recombinant Antibody
Antibody Species	Rabbit
Original Species Name	Rabbit
Immunogen	The KLH conjugated peptide "ISTLSCENK" derived from IL-18, an augmentor of natural killer cell activity in the spleen and stimulator of interferon gamma production in Th1 cells.
Buffer Composition	PBS only with 0.02% Proclin 300.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)
Western Blot using anti-IL-18 antibody SAIC-24B-4 Untreated human peripheral blood monocyte (PBM; A) and PMA/Ionomycin-treated PBM lysates (35ug protein in RIPA buffer) were resolved on a 15% SDS PAGE gel and blots probed with the rabbit IgG-chimeric version of SAIC-24B-4 (AAA72029) at 0.3 ug/ml before detection using an anti-rabbit secondary antibody. Protein was detected by chemiluminescence. The expected running size for IL-18 is 22.3kDa. AAA72029 successfully detected IL-18 in untreated human peripheral blood monocyte samples.



FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-IL-18 antibody SAIC-24B-4 Human peripheral blood monocytes (PBMC's) were fixed using 2% PFA, permeabilised using 0.5% Triton and stained with unimmunized rabbit IgG antibody (MOPC-21; isotype control, black line) or the rabbit IgG-chimeric version of SAIC-24B-4 (AAA72029, blue line) at a dilution of 1:100 for 1h at RT. An additional population of PBMC's stimulated with PMA and Ionomycin in the presence of Monensin for 4 hours were stained in a similar manner (purple line). After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for IL-18 recombinant antibody	Recombinant monoclonal antibody to IL-18. Manufactured using the recombinant platform with variable regions (i.e. specificity) from the B-cell cDNA library SAIC-24B-4.
Product Categories/Family for IL-18 recombinant antibody	Immuno-MRM
References	Schoenherr et al. Anti-peptide monoclonal antibodies generated for immuno-multiple reaction monitoring-mass spectrometry assays have a high probability of supporting Western blot and ELISA. Mol Cell Proteomics PMID:25512614 Original Published Journal: Mol Cell Proteomics Original Published PMID: 25512614 Publication Note: Describes generation a panel of recombinant antibodies using synthetic peptides of human proteins as well as validation using ELISA and multiple reaction monitoring-mass spectrometry.

NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NP_001230140.1
UniProt Accession #	Q14116
NCBI Official Full Name	interleukin-18 isoform 2
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18
UniProt Protein Name	Interleukin-18

UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/il-18-recombinant-antibody-clone-saic-24b-4-elisa/72029>