

IL-18 recombinant antibody

Anti-IL-18 [ABT-325 (A-794722.0; 2.5(E))], Rabbit IgG, kappa

CATALOG # AAA72552	HOST Rabbit	REACTIVITY Human, cynomolgus monkey	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Immunoprecipitation
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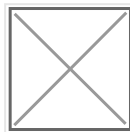
PRODUCT SYNONYMS

IL-18; Monoclonal Recombinant Antibody; Anti-IL-18 [ABT-325 (A-794722.0; 2.5(E))]; Rabbit IgG; kappa; Interleukin-18; IL18; IGIF; IL1F4; Iboctadekin; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; ABT325; 2.5(E)mg1; IL-18 recombinant antibody

PRODUCT SPECIFICATIONS

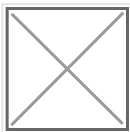
Host	Rabbit
Reactivity	Human, cynomolgus monkey
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	ABT-325 (A-794722.0; 2.5(E))
Specificity	This antibody binds human and cynomolgus monkey IL-18 and does not cross react with mouse, rat or dog IL-18. Interleukin-18 is a pro-inflammatory cytokine primarily involved in epithelial barrier repair, polarized T-helper 1 (Th1) cell and natural killer (NK) cell immune responses.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for IL-18 recombinant antibody	FCM/FACS (Flow Cytometry), ELISA, IP (Immunoprecipitation)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-IL-18 antibody ABT-325 (AAA72552). Human blood leukocytes were rested for 4h at 37°C, fixed with 2% PFA, permeabilized with 0.5% Triton, and stained with the anti-unknown specificity antibody or the rabbit IgG version of ABT-325 (AAA72552, left) at a dilution of 1:100 overnight at 4°C. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.



WB (Western Blot)

Western Blot using anti-IL-18 antibody ABT-325 (A-794722.0; 2.5(E)) (AAA72552). HeLa cell lysate (35 µg protein in RIPA buffer), and the subsequent blot was probed with the chimeric rabbit version of ABT-325 (A-794722.0; 2.5(E)) (AAA72552) at 1 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and probed with the secondary antibody for 1 hour.

ADDITIONAL INFORMATION

Related Product Information for IL-18 recombinant antibody	The original antibody was generated by immunizing transgenic Xenomouse with human IL-18 in phosphate-buffered saline.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NM_001243211.1
UniProt Accession #	Q14116; O75599; Q6FGY3; Q6WWJ7
Molecular Weight	22,326 Da
NCBI Official Full Name	interleukin-18 isoform 2 proprotein
NCBI Official Synonym Full Names	interleukin 18 (interferon-gamma-inducing factor)
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18; IL-1 gamma; iboctadecin; interleukin-1 gamma; IFN-gamma-inducing factor
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://stage.aaabiotech.com/monoclonal/il-18-recombinant-antibody-clone-abt-325-a-794722-0-2-5-e-flow-cytometry-immunoprecipitation-elisa/72552>