IL-18 recombinant antibody

Anti-IL-18 [ABT-325 (A-794722.0; 2.5(E))], Human IgG1, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72551	**Human**	**Human, cynomolgus monkey**	**Flow Cytometry, Functional Assay, ELISA, Immunoprecipitation**

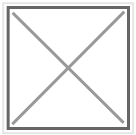
PRODUCT SYNONYMS

IL-18; Monoclonal Recombinant Antibody; Anti-IL-18 [ABT-325 (A-794722.0; 2.5(E))]; Human IgG1; 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

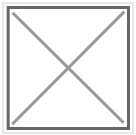
PRODUCT SPECIFICATIONS

Host	Human
Reactivity	Human, cynomolgus monkey
Clonality	Monoclonal
Isotype	Human IgG1 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)
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)
Flowcytrometryusinganti-IL-18antibodyABT-325(AAA72551). Humanbloodleucocyteswererestedfor4hat37°C,fixedwith2%PFA,permeabilizedwith0.5%Triton,andstainedwiththeanti-unknownspecificityantibodyortherabbitIgGversionofABT-325(AAA72551,left)atadilutionof1:100overnightat4°C.Afterwashing,theboundantibodywasdetectedusingagoatanti-rabbitIgGAlexaFluor488antibodyatadilutionof1:1000,andthecellswereanalyzedusingaFACSCantoflow-cytometer.



WB (Western Blot)
Western Blotusinganti-IL-18antibodyABT-325(A-794722.0;2.5(E))(AAA72551). HeLacellslysate(35ugproteininRIPAb
PAGE,andthesubsequentblotwasprobedwiththechimericrabbitversio
794722.0;2.5(E))(AAA72551)at1ug/mlbeforedetectionusinganti-rabbitsecondaryantibody.Aprimaryincubationof1hourwasused,andpr

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.

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; iboctadekin; 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/72551