

Mouse anti-Human IL-2 Antibody | anti-IL-2 antibody

Anti-Hu IL-2 Biotin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129328	Mouse	Human	Immunoprecipitation, ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

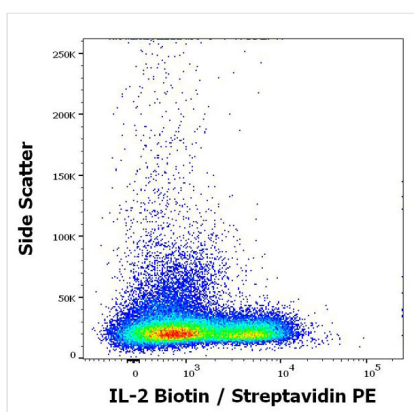
PRODUCT SYNONYMS

IL-2; Anti-Hu IL-2 Biotin; interleukin 2; Interleukin 2; anti-IL-2 antibody

PRODUCT SPECIFICATIONS

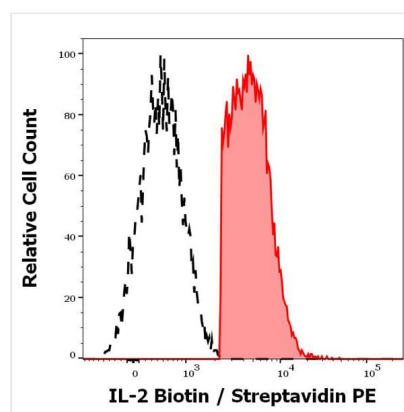
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG2b kappa
Clone Number	35C3
Specificity	The mouse monoclonal antibody 35C3 recognizes human interleukin 2 (IL-2; secreted or intracellular).
Purity/Purification	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IL-2 antibody	IP (Immunoprecipitation), ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	recombinant human IL-2
Conjugation	Biotin
Preparation and Storage	Store at 2-8 degree C. Do not freeze.

IMAGES



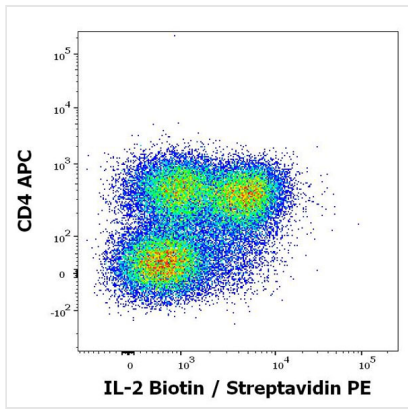
FCM/FACS (Flow Cytometry)

Flow cytometry intracellular staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human peripheral whole blood stained using anti-human IL-2 (35C3) Biotin antibody (concentration in sample 0.5ug/ml, Streptavidin PE).



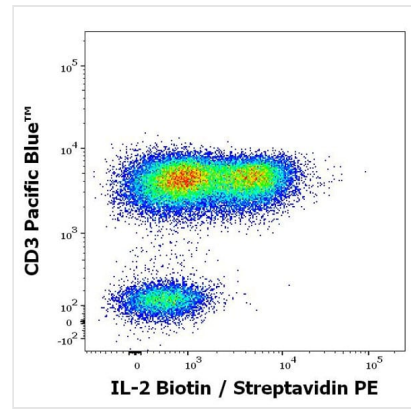
FCM/FACS (Flow Cytometry)

Separation of human CD3 positive IL-2 positive lymphocytes (red-filled) from CD3 negative IL-2 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of PMA + Ionomycin stimulated and Brefeldin A treated human peripheral whole blood stained using anti-human IL-2 (35C3) Biotin antibody (concentration in sample 0.5ug/ml, Streptavidin PE).



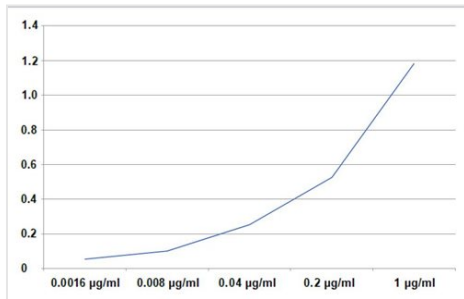
FCM/FACS (Flow Cytometry)

Flow cytometry multicolor intracellular staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human lymphocytes using anti-human CD4 (MEM-241) APC antibody (10ul reagent/100ul of peripheral whole blood) and intracellular staining of human lymphocytes using anti-human IL-2 (35C3) Biotin antibody (concentration in sample 0.5ug/ml, Streptavidin PE).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human lymphocytes using anti-human CD3 (UCHT1) Pacific Blue antibody (4ul reagent/100ul of peripheral whole blood) and intracellular staining of human lymphocytes using anti-human IL-2 (35C3) Biotin antibody (concentration in sample 0.5ug/ml, Streptavidin PE).



ELISA

ELISA analysis of human IL-2 (100 ng/ml) using biotin-conjugated mouse monoclonal antibody 35C3 in five different concentrations (0.0016 - 1ug/ml).

ADDITIONAL INFORMATION

Related Product Information for anti-IL-2 antibody

IL-2 (interleukin 2) is a cytokine that is produced primarily by stimulated Th cells and its crucial role is induction of T cell proliferation. However, IL-2 also stimulates growth and differentiation of B cells, NK cells, monocytes and other cell types, such as LAK cells or oligodendrocytes and is one of the key molecules of the immune system. IL-2 signaling pathways lead to induction of Bcl-2 protein.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28178861
NCBI GeneID	3558
NCBI Accession #	NP_000577.2
NCBI GenBank Nucleotide #	NM_000586.3
UniProt Accession #	P60568 ; P01585
Molecular Weight	17,628 Da
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2; TCGF; lymphokine
NCBI Protein Information	interleukin-2; aldesleukin; T cell growth factor; involved in regulation of T-cell clonal expansion

UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF
UniProt Entry Name	IL2_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/mouse-human-antibody/il-2/129328>