

Rabbit anti-Human, Rat IL15 Polyclonal Antibody | anti-IL15 antibody

Anti-IL15 Antibody

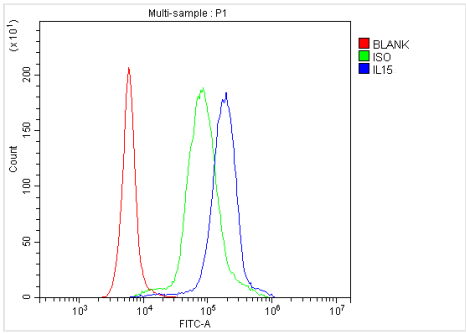
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125529	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

IL15; Polyclonal Antibody; Anti-IL15 Antibody; Interleukin-15; IL-15; interleukin 15; anti-IL15 antibody

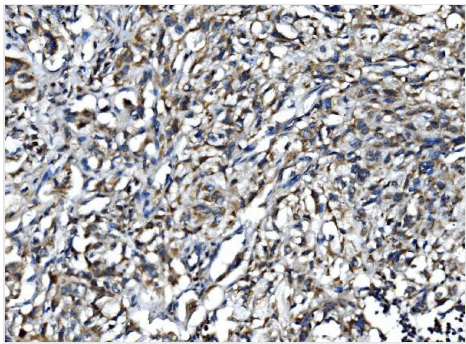
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for IL15 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.005mg NaN3.
Applicable Applications for anti-IL15 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human IL15 recombinant protein (Position: D70-S162).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



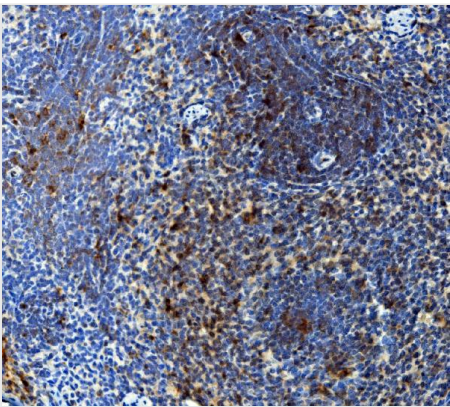
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of human PBMC cells using anti-IL15 antibody (AAA125529).Overlay histogram showing human PBMC cells stained with AAA125529 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IL15 Antibody (AAA125529, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of IL15 using anti-IL15 antibody (AAA125529).IL15 was detected in paraffin-embedded section of human B lymphocytic tumor tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-IL15 Antibody (AAA125529) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of IL15 using anti-IL15 antibody (AAA125529).IL15 was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-IL15 Antibody (AAA125529) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-IL15 antibody	Interleukin (IL)-15 is a cytokine with the ability to stimulate the proliferation activity of Th1 and/or Th2 lymphocytes. This gene is mapped to human chromosome 4q31 by fluorescence in situ hybridization. IL-15 is a novel cytokine whose effects on T-cell activation and proliferation are similar to those of interleukin-2 (IL-2), presumably because IL-15 utilizes the beta and gamma chains of the IL-2 receptor. IL-15 can play a role in the initiation and outcome of acute and chronic rejection. Anti-IL-15 therapy in combination with classic immunosuppression therapy might be beneficial in the prevention of acute, and especially chronic, allograft rejection.
References	1. Anderson, D. M.; Johnson, L.; Glaccum, M. B.; Copeland, N. G.; Gilbert, D. J.; Jenkins, N. A.; Valentine, V.; Kirstein, M. N.; Shapiro, D. N.; Morris, S. W.; Grabstein, K.; Cosman, D. Chromosomal assignment and genomic structure of IL15. Genomics 25: 701-706, 1995. 2. Conti F, Frappier J, Dharancy S, Chereau C, Houssin D, Weill B, Calmus Y. Interleukin-15 production during liver allograft rejection in humans. Transplantation. 2003 Jul 15;76(1):210-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835153
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NCBI GeneID	3600
NCBI Accession #	NP_000576.1
NCBI GenBank Nucleotide #	NM_000585.4
UniProt Accession #	P40933 ; O00440 ; O43512 ; Q495Z8 ; Q93058 ; Q9UBA3 ; D3DNZ2
Molecular Weight	162
NCBI Official Full Name	interleukin-15 isoform 1 preproprotein
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_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/polyclonal/il15-antibody-direct-elisa-flow-cytometry-immunohistochemistry-elisa/125529>