

Rat anti-Mouse CD122 Monoclonal Antibody | anti-CD122 antibody

Anti-Mouse CD122 Monoclonal Antibody (Alexa Fluor 647 Conjugated)

CATALOG # AAA174615	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	--------------------	----------------------------	---

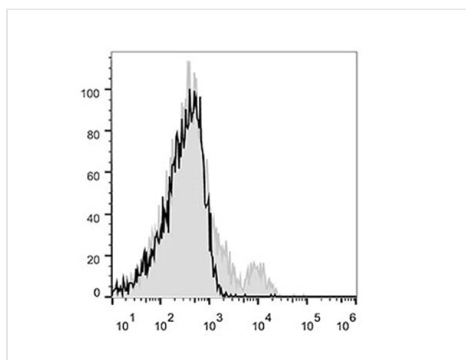
PRODUCT SYNONYMS

CD122; Monoclonal Antibody; Anti-Mouse CD122 Monoclonal Antibody (Alexa Fluor 647 Conjugated); Interleukin-2 receptor subunit beta; IL2rb; IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB; High affinity IL-2 receptor subunit beta; p70-75; anti-CD122 antibody

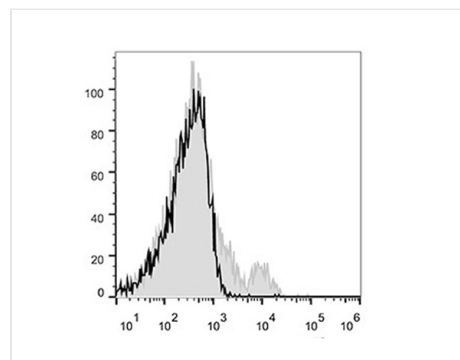
PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5H4
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Sequence Length	539
Applicable Applications for anti-CD122 antibody	FCM/FACS (Flow Cytometry)
Conjugation	Alexa Fluor 647
Preparation and Storage	Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)
C57BL/6 murine splenocytes are stained with Anti-Mouse CD122 Monoclonal Antibody(Alexa Fluor 647 Conjugated)(filled gray histogram) or isotype control(empty black histogram).



FCM/FACS (Flow Cytometry)
Flow cytometry antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CD122 antibody	CD122 is a 70-75 kD IL-2 receptor beta chain also known as IL-2Rbeta, which is also shared by the IL-15 receptor. It is constitutively expressed by NK cells and at lower levels by T cells, B cells, monocytes, and macrophages. The IL-2Rbeta chain can combine with either the common gamma subunit (gammac, CD132) alone or with the gammac subunit and the IL-2Ralpha subunit (CD25) to generate intermediate or high affinity IL-2 receptor complexes, respectively. CD122 expression levels can be upregulated by activation. The 5H4 antibody does not block IL-2 binding to the IL-2 receptor. CD122 is expressed on murine, but not human, CD8+ Tregs involved in the maintenance of T cell homeostasis.
References	1. Barclay A, et al. 1997. The Leukocyte Antigen FactsBook Academic Press. 2. Minami Y, et al. 1993. Annu. Rev. Immunol. 11:245. 3. Suzuki H, et al. 1995. Science 268:1472. 4. Shi Z, et al. 2009. Eur. J. Immunol. 39:2109.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680427
NCBI GeneID	16185
NCBI Accession #	NP_032394.1
NCBI GenBank Nucleotide #	NM_008368.4
UniProt Accession #	P16297
NCBI Official Full Name	interleukin-2 receptor subunit beta
NCBI Official Synonym Full Names	interleukin 2 receptor, beta chain
NCBI Official Symbol	IL2rb
NCBI Official Synonym Symbols	p70; CD122; IL15Rbeta; IL-2Rbeta; IL-15Rbeta; IL-2/15Rbeta
NCBI Protein Information	interleukin-2 receptor subunit beta
UniProt Protein Name	Interleukin-2 receptor subunit beta
UniProt Gene Name	IL2rb
UniProt Synonym Gene Names	IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB
UniProt Entry Name	IL2RB_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd122-antibody-clone-5h4-flow-cytometry-elisa/174615>