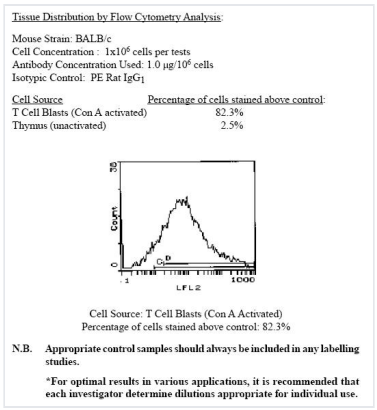
CD25 Antibody – Rat Monoclonal

PRODUCT OVERVIEW

Product Name	CD25, Monoclonal Antibody
Full Product Name	Anti-Mouse CD25, PE(Clone PC61.5.3),(rat IgG1)
Product Gene Name	anti-CD25 antibody
Product Synonym Names	CD25, PE(Clone PC61.5.3),(rat IgG1); PE Anti-Mouse CD25 (IL-2R) Monoclonal Antibody
Clonality	Monoclonal
Isotype	Rat IgG1
Clone Number	PC61.5.3
Host	Rat
Species Reactivity	Mouse
Form/Format	PE (R-PE conjugated Ig buffered in PBS, 0.02% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. (Purified from bioreactor material via Protein G Chromatography).)
Specificity	CD25 (IL-2Ra, p55, Ly 43) (Mouse CD25 (IL-2 receptor, a chain))
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. Avoid prolonged exposure to light.
Molecular Weight	17,946 Da
3D Structure	ModBase 3D Structure for P25094
Immunogen	B6.1 CTL Cell line
Donor	OFA rat spleen
Fusion Partner	mouse myeloma line P3X63Ag8.653
Presentation	50 ug or 300 ug PE conjugated Ig buffered in PBS, 0.02% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
Applications Tested/Suitable for anti-CD25 antibody	Immunohistochemistry (IHC)
Related Product Information for anti-CD25 antibody	anti-mouse CD25 (IL-2R) monoclonal antibody reacts with the low affinity alpha chain of the interleukin-2 receptor antigen present on activated T and B cells in mice. MBS520080 inhibits IL-2 binding and IL-2 dependent proliferation. This antibody is suitable for use in flow cytometry.
Other Notes	Small volumes of anti-CD25 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD25 purchase	MBS520080 is an antibody targeting CD25. Also known as Anti-Mouse CD25, PE(Clone PC61.5.3),(rat IgG1). Reactive in Mouse. Host: Rat.


Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c
Cell Concentration : 1x10^6 cells per tests
Antibody Concentration Used: 1.0 µg/10^6 cells
Isotypic Control: PE Rat IgG$_1$

Cell Source	Percentage of cells stained above control:
T Cell Blasts (Con A activated)	82.3%
Thymus (unactivated)	2.5%

Cell Source: T Cell Blasts (Con A Activated)
Percentage of cells stained above control: 82.3%

N.B. Appropriate control samples should always be included in any labelling studies.

***For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

Testing Data of anti-CD25 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD25. It may not necessarily be applicable to this product.

NCBI GI #	55904
NCBI Accession #	CAA44297.1
UniProt Primary Accession #	P25094
NCBI Official Full Name	CD25
UniProt Protein Name	Peripheral myelin protein 22
UniProt Synonym Protein Names	Protein CD25; SR13 myelin protein; Schwann cell membrane glycoprotein
Protein Family	Interleukin-2 receptor
UniProt Gene Name	Pmp22
UniProt Synonym Gene Names	Cd25; Pmp-22; PMP-22; SAG
UniProt Entry Name	PMP22_RAT
UniProt Comments for CD25	Function: Might be involved in growth regulation, and in myelinization in the peripheral nervous system. Subcellular location: Cell membrane; Multi-pass membrane protein By similarity. Tissue specificity: Found exclusively in the peripheral nervous system. Present in both myelinating and nonmyelinating Schwann cells. Found in the tumors of Schwann cell lineage where axons are present (neurofibromas) but not where axons are absent (schwannomas). Ref.4 Developmental stage: Levels increase between embryonic day 21 (E21) and postnatal day 0 (PND0) and then gradually increase up to PND15. There is a slight increase between PND15 and adulthood. Ref.4 Induction: Strongly down-regulated in the initial phase after sciatic nerve injury. Sequence similarities: Belongs to the PMP-22/EMP/MP20 family.
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