

Mouse anti-Rat CD25 Monoclonal Antibody | anti-CD25 antibody

Anti-Rat CD25 Biotin (Clone OX-39) (mouse IgG1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74138	Mouse	Rat	Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

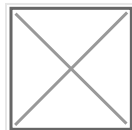
CD25; Monoclonal Antibody; Anti-Rat CD25 Biotin (Clone OX-39) (mouse IgG1); CD25 Biotin (Clone OX-39) (mouse IgG1); Biotin Anti-Rat CD25 (IL-2R) Monoclonal Antibody; anti-CD25 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	MRC OX-39
Specificity	CD25 (IL-2Ra) (Rat CD25 (IL-2R))
Form/Format	Biotin (Biotin 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 supernatant))
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	160
Applicable Applications for anti-CD25 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Hybridoma Production	Immunization: Immunogen: T blasts from a mixed lymphocyte reaction between purified CD4 positive T cells and irradiated spleens.
Donor	BALB/c spleen
FLOW CYTOMETRY ANALYSIS	Method: 1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-Rat cell separation medium . 2. Wash 2 times. 3. Resuspend the cells to a concentration of 2x10 ⁷ cells/ml in media A. Add 50 ?l of this suspension to each tube (each tube will then contain 1 x 10 ⁶ cells, representing 1 test). 4. To each tube, add 1.0-.5ug* per 10 ⁶ cells.5. Vortex the tubes to ensure thorough mixing of antibody and cells. 6. Incubate the tubes for 30 minutes at 4°C. 7. Wash 2 times at 4°C. 8. Add 100 ul of secondary antibody (Streptavidin-PE) at a 1:50 dilution. 9. Incubate tubes at 4°C for 30 - 60 minutes (It is recommended that tubes are protected from light since most fluorochromes are light sensitive). 10. Wash 2 times at 4°C. 11. Resuspend the cell pellet in 50 ?l ice cold media B. 12. Transfer to suitable tubes for flow cytometric analysis containing 15 ?l of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA.

Media	A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 ul of 2M sodium azide in 100 mls).
	B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 ul of 2M sodium azide in 100 mls).
Preparation and Storage	Store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage.
	Avoid freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD25 antibody	anti-rat Interleukin-2 receptor monoclonal antibody recognizes the smaller (alpha subunit) 55kD chain of the IL-2 receptor found on activated rat T cells, thymic dendritic cells but not resting lymphocytes (1). MBS520072 binds to the rat interleukin-2 receptor and has proven to be an important marker for activated T cells (2). This clone is reported to work with frozen and paraffin sections (3).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55904
UniProt Accession #	P25094
NCBI Official Full Name	CD25
UniProt Protein Name	Peripheral myelin protein 22
UniProt Gene Name	Pmp22
UniProt Synonym Gene Names	Cd25; Pmp-22; PMP-22; SAG
UniProt Entry Name	PMP22_RAT

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/cd25-antibody-clone-mrc-ox-39-flow-cytometry-immunohistochemistry-elisa/74138>