

Mouse CD25 Monoclonal Antibody | anti-CD25 antibody

MOUSE ANTI RAT CD25

CATALOG #	HOST	APPLICATIONS
AAA11966	Mouse	Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry

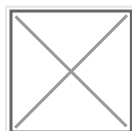
PRODUCT SYNONYMS

CD25; Monoclonal Antibody; MOUSE ANTI RAT CD25; anti-CD25 antibody

PRODUCT SPECIFICATIONS

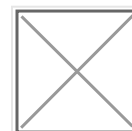
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	OX-39
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	267
Applicable Applications for anti-CD25 antibody	IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: 1/10; Maximum Dilution: 1/50 Immunohistology - Paraffin: Application Note: PLP fixarion is recommended, see Whiteland. J.L. et al.(1995) for details.
Perservative Stabilisers	0.09% Sodium Azide Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Rat
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Immunoperoxidase staining of rat lymph node cryosection with Mouse anti Rat CD25 followed by horseradish peroxidase conjugated Goat anti Mouse IgG1 as a detection reagent. High power



Application Data

Immunofluorescence staining of rat lymph node cryosection with Mouse anti Rat CD25 antibody , red in A and Mouse anti Rat CD8 , green in B. C is the merged image with nuclei counterstained blue using DAPI. Medium power



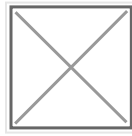
Application Data

Published customer image: Analysis of graft-infiltrating T cells. Activated CD25+ T cells and CD4+ and CD8+ T cell subsets were stained at the time points of corneal allograft rejection and calculated within the graft. A, C, and E show representative histological staining for CD25, CD4, and CD8 in grafts of treated and control animals, respectively. CD25+ (B) and CD4+ (D) cells infiltrated to a statistically significantly stronger extent in 3.2.3-treated animals when compared to control treated animals (*p



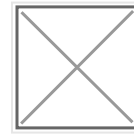
Application Data

Staining of rat spleen cells with Mouse anti Rat CD25: FITC



Application Data

Published clone specific image: The percentage of Ly49s3+ NK cells increases in the spleen and decreases in the bone marrow following L. monocytogenes infection. A) Mononuclear leukocytes were harvested from spleen, blood, and bone marrow from uninfected and infected animals 24 and 48 hrs p.i. Cells were stained with antibodies to NKR-P1A, CD3, and Ly49s3. NK cells were gated as NKR-P1A+CD3- cells, and the percentage of Ly49s3+ NK cells was analysed by flow cytometry. The data represent the mean +/- SEM from three independent experiments, with 2 animals at each time point. Data were analyzed with the one-way ANOVA with Tukey's multiple comparisons test. B) The activation status of NK cells from uninfected (filled histogram) or infected animals 24 (grey line) and 48 hrs p.i. (black line) was tested by flow cytometry. An antibody towards the activation marker CD25 was employed. From: Shegarfi H, Naper C, Rolstad B, Inngjerdigen M (2010) Listeria monocytogenes Infection Affects a Subset of Ly49-Expressing NK Cells in the Rat. PLoS ONE 5(12): e15579.



Application Data

Staining of stimulated rat spleen cells with Mouse anti Rat CD25:FITC

NCBI AND UNIPROT INFORMATION

NCBI GI #	7710038
NCBI GeneID	25704
NCBI Accession #	NP_037295.1
NCBI GenBank Nucleotide #	NM_013163.1
Molecular Weight	30,557 Da
NCBI Official Full Name	interleukin-2 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 2 receptor, alpha
NCBI Official Symbol	IL2ra
NCBI Official Synonym Symbols	IL2RAC
NCBI Protein Information	interleukin-2 receptor subunit alpha; IL-2 receptor alpha subunit; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; interleukin 2 receptor, alpha chain; interleukin-2 receptor alpha chain
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2ra
UniProt Synonym Gene Names	IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_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-ox-39-immunohistochemistry-flow-cytometry-immunoprecipitation-immunohistochemistry-elisa/11966>