

Rat anti-Mouse CD205 Antibody | anti-CD205 antibody

Anti-CD205 [NLDC145], Rat IgG2a

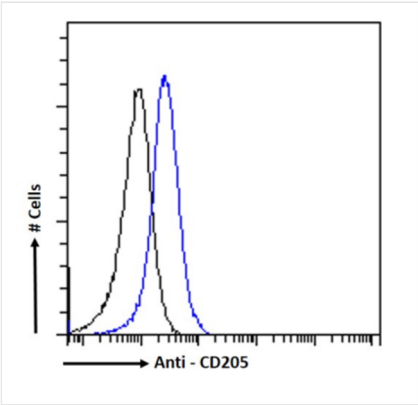
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72259	Rat	Mouse	Immunoblot, Western Blot, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

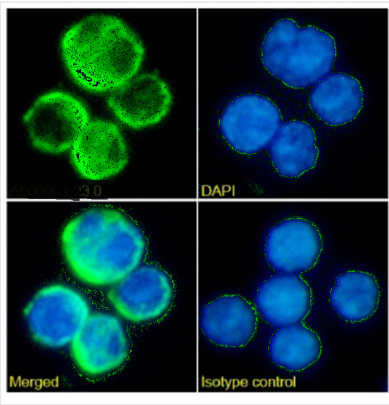
CD205; Anti-CD205 [NLDC145]; Rat IgG2a; Ly-75; NLDC-145; DEC205; DEC-205; Lymphocyte antigen 75; anti-CD205 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Isotype	Rat IgG2a, Kappa
Clone Number	NLDC145
Specificity	This antibody is specific for murine DEC-205, a lectin endocytic receptor expressed at high levels by many dendritic cell subsets, where it mediates antigen uptake. The epitope recognised by this antibody is trypsin-sensitive.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD205 antibody	IB (Immunoblot), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	This antibody was raised by immunising Wistar rats with mouse lymph node stroma.
Origin Pub PMID	15829289
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow cytometry using the Anti-CD205 antibody NLDC145 (AAA72259). Paraformaldehyde fixed mouse thymocytes permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of NLDC145 (AAA72259-23.0, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)
Immunofluorescence staining of mouse thymocytes with anti-CD205 (AAA72259) NLDC145. Immunofluorescence analysis of paraformaldehyde fixed mouse thymocytes on Shi-fix coverslips stained with the chimeric rabbit IgG version of NLDC145 (AAA72259-23.0) at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72259-23.0, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD205 antibody	This antibody has been used in IHC analysis of acetone-fixed mouse lymph node sections and cytospin preparations (Krall et al, 1986), and immunofluorescence analysis of epidermal sheets (Krall et al, 1986).It has also been used in immunoblot experiments (Inaba et al, 1995) and in FC experiments to identify DEC-205-expressing cell subsets (Inaba et al, 1995; Hawiger et al, 2001).
Product Categories/Family for anti-CD205 antibody	antigen presentation
References	Kraal et al. Langerhans' cells, veiled cells, and interdigitating cells in the mouse recognized by a monoclonal antibody J Exp Med. 1986 Apr 1; 163(4): 981-997 PMID:3950549

NCBI AND UNIPROT INFORMATION

NCBI GI #	148747179
NCBI GeneID	17076
NCBI Accession #	NP_038853.2
NCBI GenBank Nucleotide #	NM_013825.3
UniProt Accession #	Q60767 ; Q8C7T3 ; Q91XL8 ; Q9QUZ6 ; B2RWW5
Molecular Weight	197,352 Da
NCBI Official Full Name	lymphocyte antigen 75
NCBI Official Synonym Full Names	lymphocyte antigen 75
NCBI Official Symbol	Ly75
NCBI Official Synonym Symbols	CD205; DEC205; DEC-205
NCBI Protein Information	lymphocyte antigen 75; ly-75
UniProt Protein Name	Lymphocyte antigen 75
UniProt Gene Name	Ly75
UniProt Synonym Gene Names	Cd205; Ly-75

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/rat-mouse-antibody/cd205/72259>