

CD5 recombinant antibody

Anti-CD5 [OX-19], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72453	Rabbit	Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

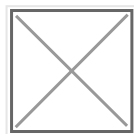
PRODUCT SYNONYMS

CD5; Monoclonal Recombinant Antibody; Anti-CD5 [OX-19]; Rabbit IgG; kappa; Lyt-1; Ly-1; Ly-12; Lyt1; Ly1; Ly12; OX19; MRC OX19; MRC OX-19; UCHT2; UCH-2; CD5 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	OX-19
Specificity	This antibody binds to CD5 glycoprotein primarily expressed on thymocytes and mature peripheral T lymphocytes. CD5 is a member of the scavenger receptor superfamily and primarily expressed on thymocytes and mature peripheral T lymphocytes, but not on NK cells, intestinal intraepithelial gamma/delta T cells.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD5 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES

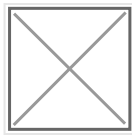


FCM/FACS (Flow Cytometry)

Flow cytometry using the anti-CD5 antibody OX-19 (AAA72453). Paraformaldehyde fixed rat splenocytes were stained with anti-unknown specificity antibody or the rabbit IgG version of OX-19 (AAA72453, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACScan flow cytometer.

IF (Immunofluorescence)

Immunofluorescence staining of fixed rat splenocytes with anti-CD5 antibody OX-19 (AAA72453). Slips stained with the chimeric rabbit IgG version of OX-19 (AAA72453) (1:100 dilution) for 1 hour followed by Alexa Fluor 488 secondary antibody (1:1000 dilution). Right, top-bottom: AAA72453, DAPI, merged channels and an isotype control. The isotype control shows no staining.



FCM/FACS (Flow Cytometry)

Flow cytometry using the anti-CD5 antibody OX-19 (AA72453). Paraformaldehyde fixed rat splenocytes were stained with anti-unknown specificity antibody or the rabbit IgG version of OX-19 (AA72453, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow cytometer.

ADDITIONAL INFORMATION

Related Product Information for CD5 recombinant antibody	Rat immunized with thymocyte glycoproteins.
References	McCaughan et al. Identification of the bile canalicular cell surface molecule GP110 as the ectopeptidase dipeptidyl peptidase IV: an analysis by tissue distribution, purification and N-terminal amino acid sequence. Hepatology 11:534-544 1990 N/A1970322 Note on publication: Describes the tissue distribution of CD26 by staining using the antibody OX-61. OX-61 also was shown to deplete CD26 activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506471
NCBI GeneID	54236
NCBI Accession #	NP_062168.1
NCBI GenBank Nucleotide #	NM_019295.1
UniProt Accession #	P51882; Q63098
Molecular Weight	53,440 Da
NCBI Official Full Name	T-cell surface glycoprotein CD5
NCBI Official Synonym Full Names	Cd5 molecule
NCBI Official Symbol	Cd5
NCBI Protein Information	T-cell surface glycoprotein CD5; CD5 antigen; Lymphocyte antigen CD5
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Gene Name	Cd5
UniProt Entry Name	CD5_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/cd5-recombinant-antibody-clone-ox-19-flow-cytometry-immunohistochemistry-western-blot-elisa/72453>