

CD4 recombinant antibody

Anti-CD4 [OX-35], Mouse IgG2a, kappa

CATALOG # AAA72462	HOST Mouse	REACTIVITY Rat	APPLICATIONS Functional Assay, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot
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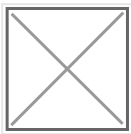
PRODUCT SYNONYMS

CD4; Monoclonal Recombinant Antibody; Anti-CD4 [OX-35]; Mouse IgG2a; kappa; Leu3/T4; L3T4; T4; Leu3; Leu-3; Ly4; Ly-4; W3/25 antigen; OX35; MRC OX-35; MRC OX35; CD4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	OX-35
Specificity	OX-35 shows specificity towards rat CD4 antigen. W3/25 and OX-36 bind to different epitopes on CD4 antigen. CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction and is involved in regulation of T-cell activation.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD4 recombinant antibody	FA (Functional Assay), IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of rat splenocytes with anti-CD4 antibody OX-35 (AAA72462). Immunofluorescence analysis of paraformaldehyde fixed rat splenocytes on Shifox coverslips stained with the chimeric rabbit IgG version of OX-35 (AAA72462) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. Then nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72462, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

WB (Western Blot)

Western Blot analysis of rat splenocytes with anti-CD4 antibody OX-35 (AAA72462). PAGE, and the Western Blot analysis of rat splenocytes with anti-CD4 antibody OX-35 (AAA72462) followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD4 recombinant antibody	OX-35 was prepared by immunizing mice with T blasts prepared in mixed lymphocyte reactions with purified rat T helper cells against irradiated spleen.
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References	<p>Robinson et al. Macrophage heterogeneity in the rat as delineated by two monoclonal antibodies MRC OX-41 and MRC OX-42, the latter recognizing complement receptor type 3 Immunology 1986 57 239-247 N/A3512425</p> <p>Note on publication: Describes the original use of this antibody to detect SIRP alpha in labelling, immunoperoxidase and immunofluorescence studies to investigate macrophage heterogeneity.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978631
NCBI GeneID	24932
NCBI Accession #	NP_036837.1
NCBI GenBank Nucleotide #	NM_012705.1
UniProt Accession #	P05540
Molecular Weight	51,438 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4
NCBI Official Synonym Full Names	Cd4 molecule
NCBI Official Symbol	Cd4
NCBI Official Synonym Symbols	p55; W3/25
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 antigen; T-cell surface antigen T4/Leu-3; W3/25 antigen
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	Cd4
UniProt Entry Name	CD4_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/cd4-recombinant-antibody-clone-ox-35-functional-assay-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/72462>