

CD4 recombinant antibody

Anti-CD4 [OX-68], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72487	Rabbit	Rat	Immunoprecipitation, Western Blot, Flow Cytometry, Functional Assay

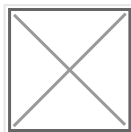
PRODUCT SYNONYMS

CD4; Monoclonal Recombinant Antibody; Anti-CD4 [OX-68]; Rabbit IgG; kappa; Leu3/T4; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; W3/25 antigen; CD4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	OX-68
Specificity	This antibody is reactive with rat CD4 domain 3 & 4, and is partly competitive with OX-67 & 69.
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	IP (Immunoprecipitation), WB (Western Blot), FCM/FACS (Flow Cytometry)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a 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



IF (Immunofluorescence)

Immunofluorescence staining of fixed rat splenocytes with anti-CD4 antibody OX-68 (AAA72487). Immunofluorescence analysis of paraformaldehyde fixed rat splenocytes permeabilized with 0.15% Triton and stained with the chimeric mouse IgG1 version of OX-68 (AAA72487) at 10 µg/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panel shows from left-right, top-bottom AAA72487, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-unknown specificity antibody followed by Alexa Fluor 488 secondary antibody.

FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-CD4 antibody OX-68 (AAA72487). Rat splenocytes were stained with Alexa Fluor 488 secondary antibody (2 µg/ml) or the anti-CD4 antibody OX-68 (AAA72487, blue line) at a dilution of 1:1000. The isotype control was stained with an anti-unknown specificity antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD4 recombinant antibody	This antibody was prepared by subcutaneously injecting BALB/c mice with a soluble form of rat CD4, consisting of domains 3 and 4. A boost of a mixture of free sCD4 and sCD4 bound to cells was administered intravenously.
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References	Simon et al. Role of CD4 epitopes outside the gp120-binding site during entry of human immunodeficiency virus type 1. J Virol. 1997 Feb;71(2):1476-84. N/A8995673 Note on publication: Describes the original use of this antibody to elucidate the role of CD4 epitopes outside the gp120-binding site during HIV-1 entry.
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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.