

Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

MOUSE ANTI RAT CD4 (DOMAIN 1)

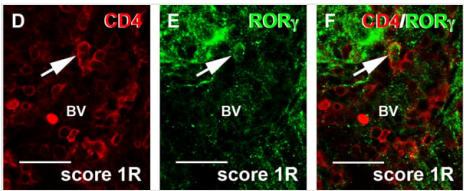
CATALOG #	HOST	APPLICATIONS
AAA11996	Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

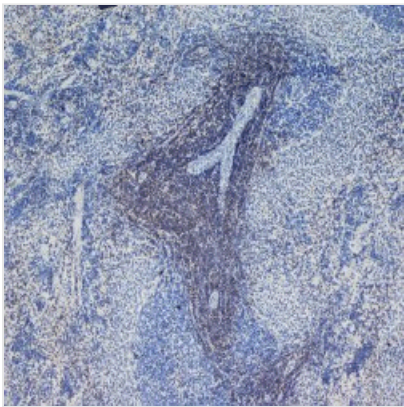
CD4; Monoclonal Antibody; MOUSE ANTI RAT CD4 (DOMAIN 1); anti-CD4 antibody

PRODUCT SPECIFICATIONS

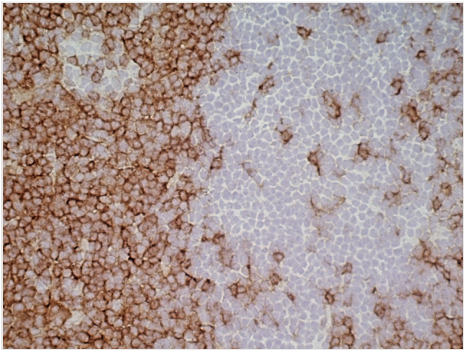
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	W3/25
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	457
Applicable Applications for anti-CD4 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: 1/100; Maximum Dilution: 1/200 Immunohistology - Paraffin: Application Note: PLP fixation is recommended for optimal results, see Whiteland et al. for details
Perservative Stabilisers	0.09% Sodium Azide Preparation
Immunogen	Rat Thymocyte Membrane Glycoproteins Fusion Partners
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.



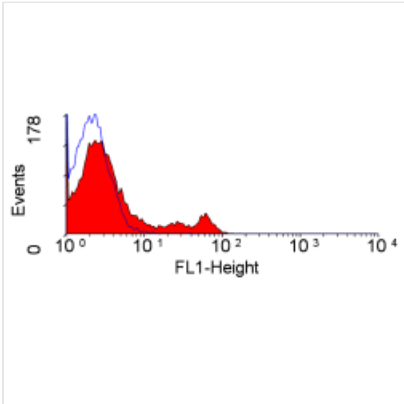
Application Data
Published customer image: Dynamics of Th17 cells. D-F) Photographs of double immunolabelled sections showing a representative CD4+RORγ+ cell (arrow) observed around blood vessels (BV). Bar scale = 30 um. Almolda B, Costa M, Montoya M, González B, Castellano B (2011) Increase in Th17 and T-reg Lymphocytes and Decrease of IL22 Correlate with the Recovery Phase of Acute EAE IN Rat. PLoS ONE 6(11): e27473.



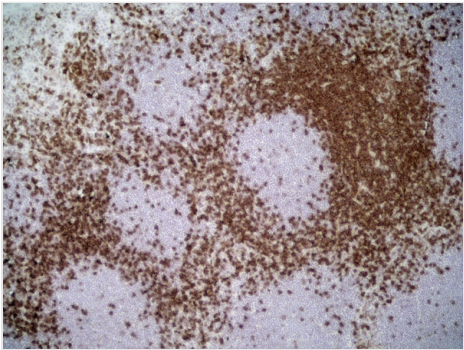
Application Data
Staining of frozen rat spleen with Mouse anti Rat CD4



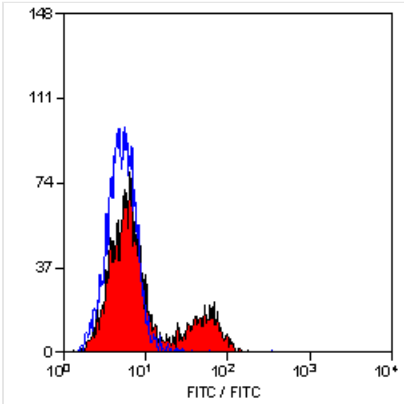
Application Data
Immunoperoxidase staining of rat lymph node cryosection using Mouse anti Rat CD4 antibody followed by horseradish peroxidase conjugated Goat anti Mouse IgG1 for detection. High power



Application Data
Staining of rat splenocytes with Mouse anti Rat CD4



Application Data
Immunoperoxidase staining of rat lymph node cryosection using Mouse anti Rat CD4 antibody followed by horseradish peroxidase conjugated Goat anti Mouse IgG1 for detection. Low power



Application Data
Staining of stimulated rat spleen cells with Mouse anti Rat CD4

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978631
NCBI GeneID	24932
NCBI Accession #	NP_036837.1
NCBI GenBank Nucleotide #	NM_012705.1
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-antibody-clone-w3-25-immunohistochemistry-flow-cytometry-immunohistochemistry-elisa/11996>