Mouse CD90 Monoclonal Antibody | anti-CD90 antibody

MOUSE ANTI RAT CD90

CATALOG #	HOST	APPLICATIONS
AAA11978	**Mouse**	**Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

CD90; Monoclonal Antibody; MOUSE ANTI RAT CD90; anti-CD90 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	OX-7
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	161
Applicable Applications for anti-CD90 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. **Flow Cytometry:** Minimum Dilution: 1/50; Maximum Dilution: 1/100
Perservative Stabilisers	0.09% Sodium Azide Preparation
Buffer Solution	Phosphate buffered saline
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.

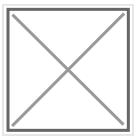
IMAGES



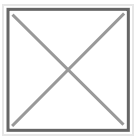
Application Data
Staining of rat thymus cells with Mouse anti Rat CD90 (THY1.1):Alexa Fluor 488



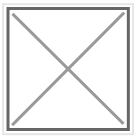
Application Data
Staining of rat thymus cells with Mouse anti Rat CD90 (THY-1.1):FITC



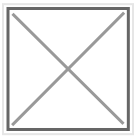
Application Data
Staining of rat thymocytes with Mouse anti Rat CD90 (THY1.1): FITC



Application Data
Staining of rat thymus with Mouse anti Rat CD90 (THY 1.1): Low Endotoxin



Application Data
Staining of rat thymocytes with Mouse anti Rat CD90



Application Data
Staining of rat thymus with Mouse anti Rat CD90 (THY 1.1

ADDITIONAL INFORMATION

Related Product Information for anti-CD90 antibody	Mouse anti Rat CD90 antibody, clone OX-7 recognizes rat and CD90, also known as Thy1.1, a GPI-anchored membrane protein containing a single V type Ig-like domain CD90 is expressed on a variety of cell types including thymocytes, neuronal cells, stem cells, immature B cells and connective tissues, CD90 is also expressed in T cells in mice.Since Thy1.1 is a monomorphic determinant in rat but polymorphic in mice, clone MRC OX-7 reacts with Thy1.1 mice e.g. AKR and FVB mice, but not Thy1.2 mice such as CBA and BALB/c. The affinity of the Fab' of MRC OX-7 for rat Thy1 is 3 x 109m1 and for mouse Thy1.1 is 3 x 108m-1(1). Mouse anti rat CD90, clone MRC OX-7 has been demonstrated to promote neurite outgrowths on peripherin-stained sympathetic rat neurons, using fluorescence microscopy (Jeng et al. 1998). Clone OX-7 has also been reported to induce glomerular nephritis in Wistar rats (Tamura et al. 1996). This product is routinely tested in flow cytometry on rat thymocytes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981654
NCBI GeneID	24832
NCBI Accession #	NP_036805.1
NCBI GenBank Nucleotide #	NM_012673.2
UniProt Accession #	P01830
Molecular Weight	18,172 Da
NCBI Official Full Name	thy-1 membrane glycoprotein preproprotein
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	Thy1
NCBI Official Synonym Symbols	CD7
NCBI Protein Information	thy-1 membrane glycoprotein; CD90; Thy-1 protein; Thymus cell surface antigen; thy-1 antigen; thy-1 glycoprotein; thymus cell antigen 1, theta
UniProt Protein Name	Thy-1 membrane glycoprotein
UniProt Gene Name	**Thy1**
UniProt Synonym Gene Names	Thy-1
UniProt Entry Name	THY1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/cd90-antibody-clone-ox-7-immunohistochemistry-flow-cytometry-immunofluorescence-immunoprecipitation-western-blot-elisa/11978