CD45RB recombinant antibody

Anti-CD45RB [OX-33], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72455	**Rabbit**	**Rat**	**Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation**

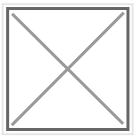
PRODUCT SYNONYMS

CD45RB; Monoclonal Recombinant Antibody; Anti-CD45RB [OX-33]; Rabbit IgG; kappa; L-CA; LCA; OX33; CD45 restricted; MRC OX33; MRC OX-33; CD45 R; CD45RB recombinant antibody

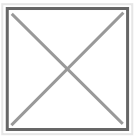
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	OX-33
Specificity	This antibody binds CD45RB and enables B cell (no other lymphoid cells) labelling analyzed by FACS. In addition it can be used fr immunofluorescent staining with FC analysis, IP and IHC of acetone-fixed frozen sections and formalin-fixed paraffin-embedded sections.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD45RB recombinant antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
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-cytometryusingtheanti-CD45RBantibodyOX-33(AAA72455) Ratsplenocyteswerestainedwithanti-FluoresceinIgGantibody(4-4-20;isotypecontrol,blackline)orthemouseIgG1versionofOX-33(AAA72455-1.1,blueline)atadilutionof1:100for1hatRT.Afterwashing,boundantibodywasdetectedusingagoatanti-mouseIgGAlexaFluor488antibodyatadilutionof1:1000andcellsanalyzedusingaFACSCantoflow-cytometer.



WB (Western Blot)
Western Blotusinganti-CD45RBantibodyOX-33(AAA72455) Ratspleenlysate(35ugproteininRIPAbuffer)wasresolvedona10%SDSPAGEgelandblotprol
33(AAA72455-1.1)at0.1ug/mlbeforedetectionusinganani-mousesecondaryantibody.Aprimaryincubationof1hwasusedandproteinwasdetectedbychemiluminescenc

ADDITIONAL INFORMATION

Related Product Information for CD45RB recombinant antibody	Binds only to high MWT CD45RB. CD45RB is an isoform of CD45 with exon 5 splicing (encodes B determinant).

References	Kato et al. CD48 is a counter-receptor for mouse CD2 and is involved in T cell activation. J Exp Med 17:6-49 1992 N/A1383383 Note on publication: Describes the use of OX-78 in characterising CD48 as the ligand for CD2 in mice.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158138490
NCBI GeneID	24699
NCBI Accession #	NP_001103357.1
NCBI GenBank Nucleotide #	NM_001109887.1
UniProt Accession #	P04157
Molecular Weight	134,182 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase C isoform 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, C
NCBI Official Symbol	Ptprc
NCBI Official Synonym Symbols	Lca; RT7; CD45; L-CA; T200
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C; Protein tyrosine phosphatase, receptor-type, c polypeptide; T200 glycoprotein; leucocyte common antigen; leukocyte common antigen A; leukocyte common antigen B
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	**Ptprc**
UniProt Synonym Gene Names	L-CA
UniProt Entry Name	PTPRC_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/cd45rb-recombinant-antibody-clone-ox-33-immunocytochemistry-immunohistochemistry-flow-cytometry-immunoprecipitation-elisa/72455