CD44 recombinant antibody

Anti-CD44 [OX-49], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72449	**Rabbit**	**Rat**	**Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD44; Monoclonal Recombinant Antibody; Anti-CD44 [OX-49]; Rabbit IgG; kappa; CDW44; CSPG8; ECMR-III; HCELL; HUTCH-I; IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CD44 molecule (Indian blood group); HCAM; Hermes antigen; Pgp-1; lymphocyte homing receptor; ECM-III; HUTCH-1; CD44 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	OX-49
Specificity	This antibody binds rat CD44 at an epitope overlapping with asparagine residue 67. The murine homologue of CD44 has a histidine in this position which is sufficient to abrogate binding (Zheng et al. 1995).
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD44 recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), 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)
Immunofluorescencestainingoffixedratsplenocyteswithanti-CD44antibodyOX-49(AAA72449) ImmunofluorescenceanalysisofparaformaldehydefixedratsplenocytesonShi-fixcoverslips,permeabilizedwith0.15%Tritonstainedwiththechimericrabbitversionof OX-49(AAA72449)at10ug/mlfor1hfollowedbyAlexaFluor 488secondaryantibody(1ug/ml),showingmembranestaining.ThenuclearstainisDAPI(blue).Panelsshowfromleft-right,top-bottomAAA72449,DAPI,mergedchannelsandanisotypecontrol.Theisotypecontrolwasstainedwithananti-FluoresceinantibodyfollowedbyAlexaFluor 488secondaryantibody.

FCM/FACS (Flow Cytometry)
Flow-cytometryusinganti-CD44antibodyC
chimericversionofOX-49(B,AAA72449)ataconcentrationof1ug/
rabbitantibody(ab150073)andcellsanalys

ADDITIONAL INFORMATION

Related Product Information for CD44 recombinant antibody	T blasts from a mixed lymphocyte reaction between purified rat CD4+ T cells and irradiated spleen.

References	Paterson et al. Antigens of activated rat T lymphocytes including a molecule of 50,000 Mr detected only on CD4 positive T blasts. Mol Immunol. 1987 Dec;24(12):1281-90. N/A2828930 Note on publication: Describes the generation and initial characterisation of this antibody.

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/cd44-recombinant-antibody-clone-ox-49-western-blot-immunoprecipitation-flow-cytometry-elisa/72449