

CD44 recombinant antibody

Anti-CD44 [OX-49], Mouse IgG2a, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72448	Mouse	Rat	Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay

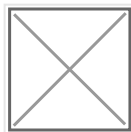
PRODUCT SYNONYMS

CD44; Monoclonal Recombinant Antibody; Anti-CD44 [OX-49]; Mouse IgG2a; 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	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	Mouse IgG2a 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 reformatted mouse 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-CD44 antibody OX-49 (AAA72448). Immunofluorescence analysis of paraformaldehyde fixed rat splenocytes on Shifox coverslips, permeabilized with 0.15% Triton stained with the chimeric rabbit version of OX-49 (AAA72448) at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1ug/ml), showing membranous staining. Then nuclear stain is DAPI (blue). Panel shows from left-right, top-bottom AAA72448, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

FCM/FACS (Flow Cytometry)

Flow-cytometry using anti-CD44 antibody chimeric version of OX-49 (B, AAA72448) at a concentration of 1ug/ml rabbit antibody (ab150073) and cell analysis.

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.
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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/72448>