

## CD44 recombinant antibody

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

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

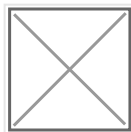
### PRODUCT SYNONYMS

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)

Immunofluorescence staining of fixed rat splenocytes with anti-CD44 antibody OX-49 (AAA72449). Immunofluorescence analysis of paraformaldehyde fixed rat splenocytes on Shifox coverslips, permeabilized with 0.15% Triton stained with the chimeric rabbit version of OX-49 (AAA72449) 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 AAA72449, 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, AAA72449) 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. |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------|

## 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd44-recombinant-antibody-clone-ox-49-western-blot-immunoprecipitation-flow-cytometry-elisa/72449>