

## MHC II Recombinant Antibody | MHCII recombinant antibody

Anti-MHC II [OX-6], Rabbit IgG, kappa

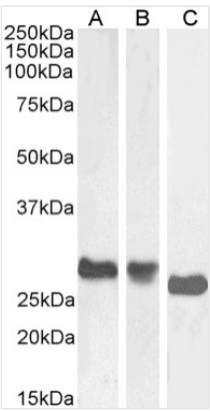
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                                                                                      |
|-----------|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AAA72439  | Rabbit | Rat, Mouse | Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunoprecipitation, immunoassay, Radioimmunoassay |

### PRODUCT SYNONYMS

MHC II; Monoclonal Recombinant Antibody; Anti-MHC II [OX-6]; Rabbit IgG; kappa; MHC Class II; MRC OX-6; CD74; MRC OX 6; Major Histocompatibility complex II; MHCII recombinant antibody

### PRODUCT SPECIFICATIONS

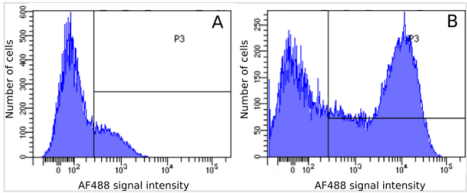
|                                                        |                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                                                                                                                                                                           |
| Reactivity                                             | Rat, Mouse                                                                                                                                                                                                                                       |
| Clonality                                              | Monoclonal                                                                                                                                                                                                                                       |
| Isotype                                                | Rabbit IgG kappa                                                                                                                                                                                                                                 |
| Clone Number                                           | OX-6                                                                                                                                                                                                                                             |
| Specificity                                            | This antibody recognises a monomorphic determinant of the rat MHC II (I-A) antigen present on B lymphocytes, dendritic cells, some macrophages and certain epithelial cells. It also cross-reacts with mouse MHC, specifically I-A[k] and I-A[s] |
| Purity/Purification                                    | Protein A affinity purified                                                                                                                                                                                                                      |
| Form/Format                                            | PBS with 0.02% Proclin 300.                                                                                                                                                                                                                      |
| Concentration                                          | 1mg/ml (varies by lot)                                                                                                                                                                                                                           |
| Applicable Applications for MHCII recombinant antibody | ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IP (Immunoprecipitation), RIA (Radioimmunoassay)                                                                   |
| 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.                                                                                                                                                   |



WB (Western Blot)

Western Blot using anti-MHC class II (CD74) antibody OX-6 (AAA72439). Ratspleen (A), rat thymus (B) and rat lymph node (C) lysates samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of OX-6 (AAA72439) at 1ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for CD74 is ~24.5-31.6kDa, depending on the isoform and post-translational modification. AAA72439 successfully detected CD74 in rat spleen, thymus and lymph node lysates.

IF (Immunofluorescence)  
Immunofluorescence  
6 (AAA72439)  
6 (AAA72439)  
right, top-bottom



FCM/FACS (Flow Cytometry)

Flow-cytometry using anti-MHC class II antibody OX-6 (AAA72439). Staining of rat (Rattus norvegicus) leukocytes with either an isotype control (A) or the rabbit-chimeric version of OX-6 (B, AAA72439) at a concentration of 1ug/ml for 30 mins at RT. After washing, bound antibody was detected using an Alexa Fluor 488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow cytometer.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MHCII recombinant antibody | This antibody was prepared by subcutaneously injecting non-polymorphic MHC class II (Ia-like glycoproteins) from the membranes of rat thymocytes into BALB/c mice.                                                                                                                                                          |
| References                                                 | McMaster et al. Identification of Ia glycoproteins in rat thymus and purification from rat spleen. European Journal of Immunology. 1979, 9: 426-433 N/A315315<br>Note on publication:<br>Describes the original use of this antibody to identify and purify rat Ia glycoproteins, using indirect binding assays, FC and IP. |

**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/mhc-ii-recombinant-antibody-clone-ox-6-immunocytochemistry-immunohistochemistry-flow-cytometry-western-blot-immunofluorescence-immunoprecipitation-radioimmunoassay-elisa/72439>