

MHC II Recombinant Antibody | MHCII recombinant antibody

Anti-MHC II [OX-6], Mouse IgG1, kappa

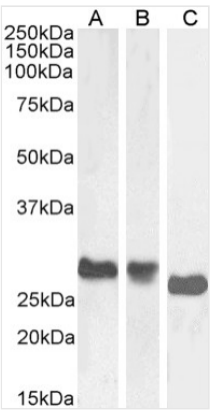
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72438	Mouse	Rat, Mouse	Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunoprecipitation, immunoassay, Radioimmunoassay

PRODUCT SYNONYMS

MHC II; Monoclonal Recombinant Antibody; Anti-MHC II [OX-6]; Mouse IgG1; kappa; MHC Class II; MRC OX-6; CD74; MRC OX 6; Major Histocompatibility complex II; MHCII recombinant antibody

PRODUCT SPECIFICATIONS

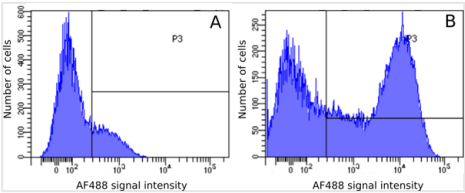
Host	Mouse
Reactivity	Rat, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	OX-6
Specificity	This antibody recognises a monomorphic determinant of the rat MHC II (I-A) antigen present on B lymphocytes, dendritic cells, some macrophages and certain epithelial cells. It also cross-reacts 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)
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 (AAA72438). Ratspleen (A), rat thymus (B) and rat lymph node (C) lysates samples (35 µg protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of OX-6 (AAA72438) at 1 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 h was used and protein was detected by chemiluminescence. The expected running size for CD74 is ~24.5-31.6 kDa, depending on the isoform and post-translational modification. AAA72438 successfully detected CD74 in rat spleen, thymus and lymph node lysates.

IF (Immunofluorescence)
Immunofluorescence analysis of rat spleen (A), thymus (B) and lymph node (C) cells stained with anti-MHC class II (CD74) antibody OX-6 (AAA72438). The cells were stained with anti-rabbit secondary antibody (ab150073) and cells analysed on a FACSCanto flow cytometer.



FCM/FACS (Flow Cytometry)

Flow-cytometry using anti-MHC class II antibody OX-6 (AAA72438). Staining of rat (Rattus norvegicus) leukocytes with either an isotype control (A) or the rabbit-chimeric version of OX-6 (B, AAA72438) at a concentration of 1 µg/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 Note on publication: 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/72438>