

Anti-MHC II [OX-6] Standard Size Ab00543-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG2b, Fc Silent™, Kappa

Clone Number: OX-6

Alternative Name(s) of Target: MHC Class II; MRC OX-6; CD74; MRC OX 6; Major Histocompatibility complex II

UniProt Accession Number of Target Protein:

Published Application(s): ICC, IP, RIA, WB, FC, IF, IHC

Published Species Reactivity: Rat, Mouse

Immunogen: 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.

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]

Application Notes: This antibody binds to the rat MHC II (I-A) antigen, and cross-reacts with mouse I-A[k] and I-A[s]. Consequently, this antibody can be used to assess the tissue distribution of rat Ia antigens, indicating high Ia antigen expression on peripheral B lymphocytes, and significantly lower expression on thymocytes and T lymphocytes (McMaster, 1979).

Antibody First Published in: McMaster et al. Identification of Ia glycoproteins in rat thymus and purification from rat spleen. European Journal of Immunology. 1979, 9: 426-433 [PMID:315315](#)

Note on publication: Describes the original use of this antibody to identify and purify rat Ia glycoproteins, using indirect binding assays, FC and IP.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.