

## Anti-MHC II [OX-6] Bulk Size Ab00543-8.1-BT

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, 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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.