Anti-MHC II [OX-6] Standard Size Ab00543-8.1

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: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.