

Anti-MHC II [YKIX 334.2] Standard Size Ab00600-7.4

Recombinant monoclonal antibody to MHC II. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma YKIX 334.2. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Rat IgG2a, Fc Silent™, Kappa

Clone Number: YKIX 334.2

Alternative Name(s) of Target: MHC class 2; MHC class II; MHC 2; HLA Class II; Human Leukocyte antigen class II; Major histocompatibility complex class II

UniProt Accession Number of Target Protein:

Published Application(s): block, IHC, IP, FC

Published Species Reactivity: Dog

Immunogen: YKIX 334.2 was prepared by immunizing rats with concanavalin A activated canine peripheral blood cells.

Specificity: YKIX 334.2 binds specifically to the MHC II beta chain. In dogs, MHC Class II is expressed on the surface of all peripheral blood mononuclear cells where it has a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (B lymphocytes, dendritic cells, macrophages).

Application Notes: YKIX 334.2 immunoprecipitates an antigen of 32/34kD and can has been shown to block the proliferation of MHC Class II dependent responses in vitro. This antibody can also be used for IHC-Fr and FC.

Antibody First Published in: Cobbold et al. Monoclonal antibodies that define canine homologues of human CD antigens: summary of the First International Canine Leukocyte Antigen Workshop (CLAW). Tissue Antigens. 1994 Mar;43(3):137-54. [PMID:8091414](#)

Note on publication: Describes the binding specificity and characterisation (by IF staining and FACS, and IP) of antibodies against canine equivalents of human CD antigens.

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.