

Anti-MHC II [YKIX 334.2] Standard Size Ab00600-201.4

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 dog antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Dog IgG2 (IgG-B), 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): IP, Block, FC, IHC

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.