

# MHC Class II, I-A Antibody, FITC



CPAB0502

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## Product Information

**Size:**

500µg

**Applications:****Reactivity:**

Other bodies

**Source:**

Mouse

**Isotype:**

IgG2a

**Purification Method:**

Ion exchange column.

**Protein Background:**

MHC Class II consists of 2 membrane spanning proteins. Each of these proteins is roughly 30 kDa, and has two Globular domains, Alpha-1, Alpha-2, Beta-1 and Beta-2. The two regions farthest away from the membrane are alpha-1 and beta-1. The two proteins link without Covalent Bonds. The MHC Class II protein mainly presents peptides, which have been digested from external sources. MHC Class II is normally only expressed by Antigen Presenting Cells (APC) which digest foreign protein. Within the RER the alpha and beta proteins of the molecule, associate with each other, while a third protein called the "invariant chain," is necessary for stabilizing the complex, without it, they will not associate. The MHC-invariant complex is then passed from the RER, into and out of, the Golgi body. It fuses with an Endocytic compartment, where an external protein has been sampled and degraded.

**Synonyms:****Immunogen:**

Purified mouse LN B cells (C3H anti-C57Bl6).

**Storage:**

Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.