# ABflo® 610 Rat anti-Mouse MHC Class II (I-A/I-E) mAb

**Catalog NO.: A27307**

## Basic Information

### Observed MW

### Calculated MW
30kDa/32kDa/26kDa

### Category
Monoclonal Antibodies

### Applications
FC

### Cross-Reactivity
Mouse

### Conjugation
ABflo® 610. Ex:421nm. Em:612nm.

### Clone number
ATC50002

## Background

Predicted to enable several functions, including MHC class II receptor activity; peptide antigen binding activity; and signaling receptor binding activity. Acts upstream of or within antigen processing and presentation of exogenous peptide antigen via MHC class II. Predicted to be located in external side of plasma membrane and immunological synapse. Predicted to be part of MHC class II protein complex. Predicted to be active in late endosome membrane and lysosomal membrane. Is expressed in lung. Human ortholog(s) of this gene implicated in several diseases, including asthma (multiple); autoimmune disease (multiple); bacterial infectious disease (multiple); eye disease (multiple); and sarcoidosis (multiple). Orthologous to several human genes including HLA-DRB5 (major histocompatibility complex, class II, DR beta 5).

## Recommended Dilutions

| | |
|---|---|
| **FC** | 5 µl per 10^6 cells in 100 µl volume |

## Immunogen Information

### Gene ID
14969/14961/381091/14960

### Swiss Prot
P18468/P06342/Q3U060/P14435

### Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms
Eb; Ia4; H2Eb; Ia-4; H-2Eb;IAb; Ia2; Ia-2; Abeta; H-2Ab; H2-Ab; Rmcs1; I-Abeta; Ia5; Ia-5; H-2Eb2; Iebeta2; A130038H09Rik; Ia1; H2Aa; Ia-1; H-2Aa; Aalpha; IAalpha; I-Aalpha

## Contact

## Product Information

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www.abclonal.com

**Source**
Rat

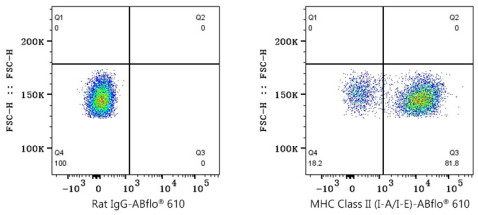
**Isotype**
Rat / IgG2a, kappa

**Purification**
Affinity purification

**Storage**
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

## Validation Data




Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with ABflo® 610 Rat IgG isotype control (5 µl/Test,left) or ABflo® 610 Rat anti-Mouse MHC Class II (I-A/I-E) mAb (A27307,5 µl/Test,right).

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.