

# APC/Cyanine7 Rat anti-Mouse MHC Class II (I-A/I-E) mAb

Catalog No.: A27522

## Basic Information

### Observed MW

### Calculated MW

30kDa/32kDa/26kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ATC50002

### Conjugate

APC-Cy7. Ex:651nm. Em:779nm.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## 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).

## 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

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## Product Information

### Source

Rat

### Isotype

Rat / IgG2a, kappa

### Purification

Affinity purification

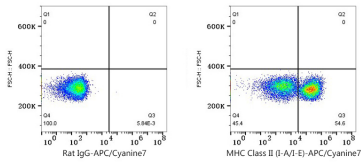
### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data

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Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with APC/Cyanine7 Rat IgG isotype control (5  $\mu$ l/Test,left) or APC/Cyanine7 Rat anti-Mouse MHC Class II (I-A/I-E) mAb (A27522,5  $\mu$ l/Test,right).