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PE Rat anti-Mouse MHC Class II (I-A/I-E) mAb

Catalog No.: A26002

Basic Information

Observed MW

Calculated MW

30kDa/32kDa/26kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ATC50002-PE

Conjugate

PE. Ex:565nm. Em:574nm.

Background

Predicted to enable several functions, including MHC class II receptor activity; peptide antigen binding activity; and signaling receptor binding activity. Involved in response to interferon-gamma. 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 human HLA-DRB1 (major histocompatibility complex, class II, DR beta 1) and 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

Swiss Prot

14969/14961/381091/14960

P18468/P06342/Q3U060/P14435

Immunogen

Recombinant protein of mouse MHC Class II (I-A/I-E).

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

a	400-999-6126
\sim	cn.market@abclonal.com.cn
⊙	www.abclonal.com.cn

Product Information

SourceIsotypePurificationRatIgGAffinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data









Flow cytometry: 1×10^6 Neuro-2a cells (negative control,left) and C57BL/6 mouse splenocytes (right) were surface-stained with PE Rat anti-Mouse MHC Class II (I-A/I-E) mAb (A26002,5 μ I/Test,orange line) or PE Rat IgG isotype control (2 μ g/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: $1X10^6$ C57BL/6 mouse splenocytes were surface-stained with PE Rat IgG isotype control (2 μ g/Test,left) or PE Rat anti-Mouse MHC Class II (I-A/I-E) mAb (A26002,5 μ l/Test,right).