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

Catalog No.: A29099

Basic Information

Observed MW

Calculated MW

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ATC50002

Conjugate
PE-Cy7. Ex:565nm. Em:778nm.

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	≤0.125 μg per million 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

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Product Information

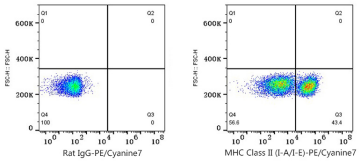
Source
Rat

Isotype
Rat/IgG2a, kappa

Purification
Affinity purification

Storage
Store at 2-8℃

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with PE/Cyanine7 Rat IgG isotype control (5 µl/Test,left) or PE/Cyanine7 Rat anti-Mouse MHC Class II (I-A/I-E) mAb (A29099,0.125 µg,right).

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