

# H2-Ab1 Rabbit mAb

Catalog No.: A24650 **Recombinant**

## Basic Information

### Observed MW

30kDa

### Calculated MW

30kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Mouse

### CloneNo number

ARC64051

## Background

Enables several functions, including peptide antigen binding activity; protein antigen binding activity; and toxic substance binding activity. Involved in several processes, including B cell affinity maturation; cellular response to interferon-gamma; and positive regulation of T-helper 1 type immune response. Acts upstream of or within antigen processing and presentation of exogenous peptide antigen via MHC class II and immune response. Located in Golgi apparatus; endosome; and external side of plasma membrane. Is integral component of membrane. Part of MHC class II protein complex. Is expressed in lung; metanephros; and thymus primordium. Orthologous to human HLA-DQB2 (major histocompatibility complex, class II, DQ beta 2).

## Recommended Dilutions

<b>WB</b>	1:2000 - 1:5000
<b>IHC-P</b>	1:100 - 1:500
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

14961

### Swiss Prot

P06345

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 31-219 of mouse H2-Ab1 [NP\_996988.2].

### Synonyms

IAb; Ia2; Ia-2; Abeta; H-2Ab; H2-Ab; Rmcs1; I-Abeta; H2-Ab1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

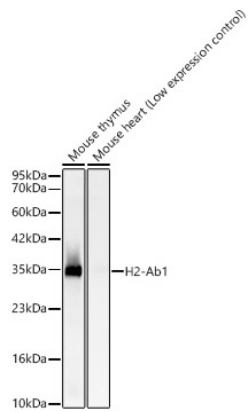
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

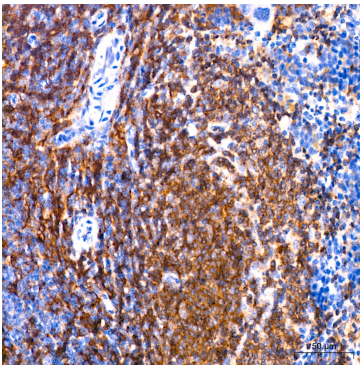
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates, using H2-Ab1 Rabbit mAb (A24650) at 1:4000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 15s.



Immunohistochemistry analysis of H2-Ab1 in paraffin-embedded mouse spleen using H2-Ab1 Rabbit mAb (A24650) at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.