SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-H2-D1 antibody

Catalog Number: SL15408R

FOR RESEARCH USE ONLY

[DATASHEET]

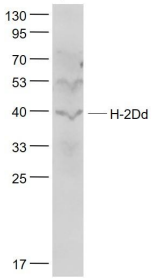
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	H2-D1
Immunogen:	KLH conjugated synthetic peptide derived from mouse H-2Dd: 51-150/365 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse
Predicted MW.:	39kDa
Subcellular Location:	The cell membrane
Background:	Predicted to enable several functions, including 14-3-3 protein binding activity; TAP binding activity; and signaling receptor binding activity. Acts upstream of or within antigen processing and presentation of endogenous peptide antigen via MHC class I via ER pathway, TAP-dependent; negative regulation of neuron projection development; and positive regulation of T cell mediated cytotoxicity. Located in external side of plasma membrane. Colocalizes with membrane raft. Is expressed in several structures, including alimentary system; brain; early conceptus; genitourinary system; and hemolymphoid system gland. Human ortholog(s) of this gene implicated in several diseases, including asthma (multiple); autoimmune disease (multiple); eye disease (multiple); human immunodeficiency virus infectious disease (multiple); and inner ear disease (multiple). Orthologous to several human genes including HLA-A (major histocompatibility complex, class I, A); HLA-B (major histocompatibility

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	complex, class I, B); and HLA-C (major histocompatibility complex, class I, C). [provided by Alliance of Genome Resources, Nov 2021] **Function:** Involved in the presentation of foreign antigens to the immune system. **Subunit:** Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin). **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Similarity:** Belongs to the MHC class I family. Contains 1 Ig-like C1-type (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 14964 Mouse **SwissProt:** P01900 Mouse

[VALIDATION IMAGES]



Sample:
Lymph node (Mouse) Lysate at 40 ug
Primary: Anti- H-2Dd (SL15408R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 39 kD

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