

For Research Use Only

CD1e Polyclonal antibody

Catalog Number: 22463-1-AP



Basic Information

Catalog Number:

22463-1-AP

Size:

150 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18008

GenBank Accession Number:

BC131693

GeneID (NCBI):

913

UNIPROT ID:

P15812

Full Name:

CD1e molecule

Calculated MW:

388 aa, 44 kDa

Observed MW:

51 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, MOLT-4 cells

Background Information

CD1e molecule (CD1e, also known as R2 and CD1A) is a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin (PMID: 10948205). The discoverers of the CD1 locus originally separated CD1 proteins into group 1 (CD1a, CD1b, and CD1c) and group 2 (CD1d), based on amino acid sequence homology (PMID: 2467814). CD1e is an important modulator of group 1 and group 2 CD1-restricted responses influencing the lipid antigen availability and the generation and persistence of CD1-lipid complexes (PMID: 21844346).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

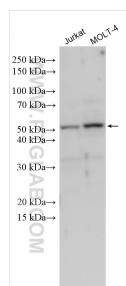
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22463-1-AP (CD1e antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.