

CD1A Monoclonal antibody

Catalog Number: 60173-3-Ig

Basic Information

Catalog Number:

60173-3-Ig

Size:

1600 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11304

GenBank Accession Number:

BC031645

GeneID (NCBI):

909

UNIPROT ID:

P06126

Full Name:

CD1a molecule

Calculated MW:

327 aa, 37 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein G purification

CloneNo.:

1H7B2

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Pig

Positive Controls:

WB : pig thymus tissue, Jurkat cells

Background Information

CD1a is an antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells. During protein synthesis and maturation, CD1 family members bind endogenous lipids that are replaced by lipid or glycolipid antigens when the proteins are internalized and pass through endosomes, before trafficking back to the cell surface.

Storage

Storage:

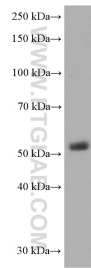
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



pig thymus tissue were subjected to SDS PAGE followed by western blot with 60173-3-Ig (CD1A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.