

# CD1a Monoclonal antibody

Catalog Number: 60173-1-Ig

## Basic Information

**Catalog Number:**

60173-1-Ig

**Size:**

150ul , Concentration: 173 µg/ml by Bradford method using BSA as the standard;

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG11304

**GenBank Accession Number:**

BC031645

**GeneID (NCBI):**

909

**UNIPROT ID:**

P06126

**Full Name:**

CD1a molecule

**Calculated MW:**

327 aa, 37 kDa

**Purification Method:**

Caprylic acid/ammonium sulfate precipitation

**CloneNo.:**

2C2B4

## Applications

**Tested Applications:**

ELISA

**Species Specificity:**

human

## 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. CD1a is a 50-kDa glycoprotein. It has a heterodimer form with molecular weight of 65-70 kDa.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

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

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