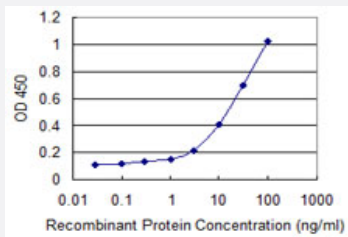


CD1B monoclonal antibody (M06), clone 2E4

Catalog # H00000910-M06

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD1B is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CD1B.
Immunogen	CD1B (NP_001755.1, 19 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EHAFAQGPTSFHVIQTSSFTNSTWAQTQGSGLDLDLQIHGWSDSGTAIFLKPWSKGNFSDKEVA ELEEIFRVYIFGFAREVQDFAGDFQMKY
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD1B is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CD1B

Entrez GeneID [910](#)

GeneBank Accession# [NM_001764](#)

Protein Accession# [NP_001755.1](#)

Gene Name CD1B

Gene Alias CD1, CD1A, MGC125990, MGC125991, R1

Gene Description CD1b molecule

Omim ID [188360](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes 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. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. [provided by RefSeq]

Other Designations CD1B antigen|CD1B antigen, b polypeptide|OTTHUMP00000018908|T-cell surface glycoprotein CD1b|cortical thymocyte antigen CD1B|differentiation antigen CD1-alpha-3

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Lung Diseases](#)
- [Mycobacterium Infections](#)