10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD1E, human recombinant protein

T-cell surface glycoprotein CD1e, CD1A, R2

Catalog # PBV10932r

Specification

CD1E, human recombinant protein - Product info

Primary Accession	P15812
Concentration	1
Calculated MW	33.1 kDa (297 aa, 32-305 aa + His tag), confirmed by MALDI-TOF. KDa

CD1E, human recombinant protein - Additional Info

Gene ID	913
Gene Symbol	CD1E

Other Names
T-cell surface glycoprotein CD1e, CD1A, R2

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGSEEQLSFR MLQTSSFANH SWAHSEGSGW LGDLQTHGWD TVLGTIRFLK PWSHGNFSKQ ELKNLQSLFQ LYFHSFIQIV QASAGQFQLE YPFEIQILAG CRMNAPQIFL NMAYQGSDFL SFQGISWEPS PGAGIRAQNI CKVLNRYLDI KEILQSLLGH TCPRFLAGLM EAGESELKRK VKPEAWLSCG PSPGPGRLQL VCHVSGFYPK PVWVMWMRGE QEQRGTQRGD VLPNADETWY LRATLDVAAG EAAGLSCRVK HSSLGGHDLI IHWGGYS

Target/Specificity
CD1E

Format
Liquid

Storage
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

CD1E, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD1E, human recombinant protein - Images

CD1E, human recombinant protein - Background

CD1E 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. 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. CD1E localizes within Golgi compartments, endosomes, and lysosomes, and is cleaved into a stable soluble form. The soluble form is required for the intracellular processing of some glycolipids into a form that can be presented by other CD1 family members. Recombinant human CD1E protein, fused to His-tag at N-terminus, was expressed in E.coli.

CD1E, human recombinant protein - References

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Angenieux C.,et al.J. Biol. Chem. 275:37757-37764(2000).
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