

CD1B, 18-303aa, Human, His tag, E.coli

Cat.NO.: TP01482

3th Edition

Synonyms:T-cell surface glycoprotein CD1b, CD1, CD1A, R1

Description:CD1B 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. This protein contains 1 Ig-like (immunoglobulin-like) domain. CD1B is antigen-presenting protein that binds self and nonself lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:34.2 kDa (310aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSEHAFQGPTSFHVIQTSSFTNSTWAQTQGSGWLDDLQIHGWDSDSGTAI
FLKPWSKGNFSDKEVAELEEIFRVYIFGFAREVQDFAGDFQMKYPFEIQGIAGCELHSGGAIVSFLRGALGGLDFLS
VKNASCVSPSEGGSSRAQKFCALIIYQGIMETVRILLYETCPRYLLGVNLNAGKADLQRQVKPEAWLSSGSPSPGPGR
LQLVCHVSGFYKPKPVWVMWMRGEQEQQGTQLGDILPNANWTWYLRATLDVADGEAAGLSCRVKHSSLEGQDIIL
YWRNPTSIGS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.