

HLA-DOA, 26-217aa, Human, His tag, E.coli

Cat.NO.: TP02459

3th Edition

Synonyms:HLA class II histocompatibility antigen, DO alpha chain, HLA-DNA, HLA-DZA, HLADZ

Description:HLA-DOA belongs to the HLA class II alpha chain paralogues. HLA-DOA forms a heterodimer with HLA-DOB. The heterodimer, HLA-DO, is found in lysosomes in B cells and regulates HLA-DM-mediated peptide loading on MHC class II molecules. In comparison with classical HLA class II molecules, this gene exhibits very little sequence variation, especially at the protein level. Recombinant human HLA-DAO protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:24.1 kDa (215aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSTKADHMGSYGPAFYQSYGASGQFTHEFDEEQLFSVDLKKSEAVWRLPEFG
DFARFDPQGGLAGIAAIKAHLDILVERSNRSRAINVPPRVTVLPKSRVELGQPNILICIVDNIFPPVINITWLRNGQTVT
EGVAQTSFYSPDHLFRKFHYLPFVPSAEDVYDCQVEHWGLDAPLLRHWELQVPIPPPDAME

Purity:> 95% by HPLC

Concentration:1 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.