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HLA-DOB, 27-224aa, Human, His tag, E.coli

产品货号: TP02460

第三版

别名: Major histocompatibility complex, class II, DO beta, DOB

**描述:** HLA-DOB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DOA) and a beta chain (DOB), both anchored in the membrane. It is located in intracellular vesicles. DO suppresses peptide loading of MHC class II molecules by inhibiting HLA-DM. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. Recombinant human HLA-DOB protein, fused to His-tag at N-terminus, was expressed in E.coli.

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

**分子量:** 25.2 kDa (222aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMGSGTDSPEDFVIQAKADCYFTNGTEKVQFVVRFIFNLEEYVRFDSVDVGMFVALTKLGQ  
PDAEQWNSRLDLLERSRQAVDGVCRHNYRLGAPFTVGRKVQPEVTYYPERTPLLHQHLLHCSVTGFYPGDIKIKWFLN  
GQEERAGVMSTGPIRNGDWFQTVVMLEMTPELGHVYTCLVDHSSLLSPVSVEWRAQSEYSWRK

**纯度:** > 95% by HPLC

**浓度:** 1 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.