

## 32-3965: HLA-DOB Recombinant Protein

**Alternative Name :** HLA class II histocompatibility antigen,DO beta chain,MHC class II antigen DOB,HLA-DOB,Major histocompatibility complex,class II,DO beta,DOB.

### Description

Source : E.coli. HLA-DOB Human Recombinant produced in E. coli is a single polypeptide chain containing 222 amino acids (27-224) and having a molecular mass of 25.2 kDa.HLA-DOB is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Major Histocompatibility Complex Class II DO Beta (HLA-DOB) is a part of the HLA class II beta chain paralogues. This class II beta chain is a heterodimer which is located in intracellular vesicles and consists of an alpha (DOA) and a beta chain (DOB), both anchored in the membrane. HLA-DOB which interacts with the HLA-DM molecule in B-cells is a significant modulator in the HLA class II restricted antigen presentation pathway. Class II molecules are expressed in antigen presenting cells such as B lymphocytes, dendritic cells and macrophages.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	The HLA-DOB solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSGTDSPED FVIQAKADCY FTNGTEKVQF VVRFIFNLEE YVRFSDVGM FVALTKLGQP DAEQWNSRLD LLERSRQAVD GVCRHNYRLG APFTVGRKVQ PEVTYVPERT PLLHQHLLH CSVTGFYPGD IKIKWFLNGQ EERAGVMSTG PIRNGDWTFQ TVVMLEMTPE LGHVYTCLVD HSLLSPVSV EWRAQSEYSW RK.

