

## 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

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The HLA-DOB solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MMSGTDSPED FVIQAKADCY FTNGTEKVQF VVRFIFNLEE  
YVRFSDVGM FVALTKLGQP DAEQWNSRLD LLERSRQAVD GVCRHNYRLG APFTVGRKVQ  
PEVTVPERT PLLHQHLLH CSVTGFYPGD IKIKWFLNGQ EERAGVMSTG PIRNGDWTFQ  
TVVMLEMTPE LGHVYTCLVD HSSLLSPVSV EWRAQSEYSW RK.

