9051 Mira Mesa Blvd, #910094
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HLA-DOB Human

Major Histocompatibility Complex Class II DO Beta Human Recombinant
RCP1025

Product Overview

Name	HLA-DOB Human

Description

Major Histocompatibility Complex Class II DO Beta Human Recombinant

Accession (Primary)	P13765

Synonyms

HLA class II histocompatibility antigen, DO beta chain, MHC class II antigen DOB, HLA-DOB, Major histocompatibility complex, class II, DO beta, DOB.

Introduction

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.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The HLA-DOB solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Stability

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.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSG TDSPED FVIQAKADCY FTNGTEKVQF VVRFIFNLEE YVRFDSDVGM FVALTKLGQP DAEQWNSRLD LLERSRQAVD GVCRHNYRLG APFTVGRKVQ PEVTVYPERT PLLHQHNLLH CSVTGFYPGD IKIKWFLNGQ EERAGVMSTG PIRNGDWTFQ TVVMLEMTPE LGHVYTCLVD HSSLLSPVSV

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Precautions

HLA-DOB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P13765)