9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HLA-DOA Human

Major Histocompatibility Complex Class II DO Alpha Human Recombinant
RCP1024

Product Overview

Name	HLA-DOA Human

Description

Major Histocompatibility Complex Class II DO Alpha Human Recombinant

Accession (Primary)	P06340

Synonyms

HLA-DNA, HLA-DZA, HLADZ, HLA class II histocompatibility antigen, DO alpha chain, MHC DN-alpha, MHC DZ alpha, MHC class II antigen DOA, HLA-DOA.

Introduction

Major Histocompatibility Complex Class II DO Alpha (HLA-DOA) is a significant modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule in B-cells. HLA-DOA forms a heterodimer along with HLA-DOB. The heterodimer is located in lysosomes in B cells and regulates HLA-DM-mediated peptide loading on MHC class II molecules. HLA-DOA exhibits very little sequence variation, particularly at the protein level.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The HLA-DOA solution (1mg/ml) 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 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS TKADHMG SYGPAFYQSY GASGQFTHEF DEEQLFSVDL KKSEAVWRLP EFGDFARFDP QGGLAGIAAI KAHLDILVER SNRSRAINVP PRVTVLPKSR VELGQPNILI CIVDNIFPPV INITWLRNGQ TVTEGVAQTS FYSQPDHLFR KFHYLPFVPS AEDVYDCQVE HWGLDAPLLR HWELQVPIPP PDAME.

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Precautions

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

Target Information: (P06340)