9051 Mira Mesa Blvd, #910094
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HLA-DRA Human

Major Histocompatibility Complex Class II DR Alpha Human Recombinant
RCP1026

Product Overview

Name	HLA-DRA Human

Description

Major Histocompatibility Complex Class II DR Alpha Human Recombinant

Accession (Primary)	P01903

Synonyms

Major Histocompatibility Complex, Class II, DR Alpha, HLA-DRA1, MHC Class II AntigenDRA, MLRW, Histocompatibility AntigenHLA-DR Alpha, HLAClass II Histocompatibility Antigen, DR Alpha Chain, MHC Cell Surface Glycoprotein, HLA-DRA1.

Introduction

Major histocompatibility complex, class II, DR alpha (HLA-DRA) belongs to the MHC class II family. HLA-DRA binds peptides derived from antigens which access the endocytic route of antigen presenting cells (APC) and presents them on the cell surface for identification by the CD4 T-cells. The peptide binding cleft accommodates peptides of 10-30 residues. The peptides presented by MHC class II molecules are generated mainly by degradation of proteins which access the endocytic route, where they are processed by lysosomal proteases and other hydrolases.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

HLA-DRA protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

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). Please avoid freeze thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M IKEEHVIIQ AEFYLNPDQS GEFMFDFDGD EIFHVDMAKK ETVWRLEEFG

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RFASFEAQGA LANIAVDKAN LEIMTKRSNY TPITNVPPEV TVLTNSPVEL REPNVLICFI DKFTPPVVNV

TWLRNGKPVT TGVSETVFLP REDHLFRKFH YLPFLPSTED VYDCRVEHWG LDEPLLKHWE FDAPSPLPET TE

Precautions

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

Target Information: (P01903)