

Product Information

MemDX™ Membrane Protein Human HLA-DOA (Major histocompatibility complex, class II, DO alpha) Full Length

Cat. No.: **MPC4102K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human HLA-DOA membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

HLA-DOA

Protein Length

Full length

Protein Class

Immunity

TMD

1

Sequence

MALRAGLVLG FHTLMTLLSPQEAGATKADHMGSYGPAFYQSYGASGQFTH
EFDEEQLF SVDLKKSEAVWRLPEFGDFARFDPQGGLAGIAAIKAHLDILV
ERSNRSRAINVPPRVTVLPKSRVELGQPNILICVDNIFPPVINITWLRN
GQTVTEGVAQTSFYSPDHLFRKFHYLPFVPSAEDVYDCQVEHWGLDAPL
LRHWELQVPIPPPDAMETLVCALGLAIGLVGFLVGTVLIIMGTIVSSVPR

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

HLA-DOA

Full Name

Major histocompatibility complex, class II, DO alpha

Introduction

HLA-DOA belongs to the HLA class II alpha chain paralogues. HLA-DOA forms a heterodimer with HLA-DOB. The heterodimer, HLA-DO, is found in lysosomes in B cells and regulates HLA-DM-mediated peptide loading on MHC class II molecules. In comparison with classical HLA class II molecules, this gene exhibits very little sequence variation, especially at the protein level.

Alternative Names

HLA-DOA; HLADZ; HLA-DNA; HLA-DZA; HLA class II histocompatibility antigen, DO alpha chain; HLA-D0-alpha; MHC DN-alpha; MHC DZ alpha; MHC class II antigen DOA; lymphocyte antigen; major histocompatibility complex, class II, DN alpha; Major histocompatibility complex, class II, DO alpha

Gene ID

[3111](#)

UniProt ID

[P06340](#)