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Product Information

MemDX™ Membrane Protein Human CD207 (CD207 molecule) Expressed in NS0 for Antibody Discovery, Partial (64-328aa)

Cat. No.: **MPX0748K**
This product is for research use only and is not intended for diagnostic use.

This product is a 31 kDa Human CD207 membrane protein expressed in NS0. 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
CD207

Protein Length
Partial (64-328aa)

Protein Class
Receptor

Molecular Weight
31 kDa

TMD
1

Sequence
YPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSD
GMEAAGVQIQMVNESLGYVRSQFLKLKTSVEKANAQIQILTRSWEEVSTL
NAQIPELKSDLEKASALNTKIRALQGSLENMSKLLKRQNDILQVVSQGWK
YFKGNFYYFSLIPKTWYSAEQFCVSRNSHLTSVTSESEQEFLYKTAGGLI
YWIGLTKAGMEGDWSWVDDTPFNKVQSVRFWIPGEPNNAGNNEHCGNIKA
PSLQAWNDAPCDKTFLFICKRPYVPSEP

Product Description

Activity
Yes

Expression Systems
NS0

Tag

9xHis tag at the N-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 μg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 μg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD207

Full Name

CD207 molecule

Introduction

The protein encoded by this gene is expressed only in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. It is localized in the Birbeck granules, organelles present in the cytoplasm of Langerhans cells and consisting of superimposed and zippered membranes. It is a C-type lectin with mannose binding specificity, and it has been proposed that mannose binding by this protein leads to internalization of antigen into Birbeck granules and providing access to a nonclassical antigen-processing pathway. Mutations in this gene result in Birbeck granules deficiency or loss of sugar binding activity.

Alternative Names

CD207; CLEC4K; C-type lectin domain family 4 member K; CD207 antigen, langerin; CD207 molecule, langerin; Langerhans cell specific c-type lectin; CD207 molecule

Gene ID

50489

UniProt ID

Q9UJ71

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