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Product Information

MemDX™ Antibody Discovery - Human B7-H4 (29-258) Membrane Protein, Partial, -hIgG1 Fc tag, low endotoxin

Cat. No.: **MP1040F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human B7-H4 (29-258). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
B7-H4

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 51.8 kDa. The protein migrates as 66-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Phe 29 - Ala 258 (Accession # Q7Z7D3-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
Human IgG1 Fc tag at the C-terminus

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<0.01 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

B7-H4

Full Name

V-set domain containing T cell activation inhibitor 1

Introduction

This gene encodes a protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

B7X; B7H4; B7S1; B7-H4; B7h.5; VCTN1; PRO1291; V-set domain-containing T-cell activation inhibitor 1; B7 family member, H4; B7 homolog 4; B7 superfamily member 1; T cell costimulatory molecule B7x; immune costimulatory protein B7-H4

Gene ID

79679

UniProt ID

Q7Z7D3

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