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Product Information

MemDX™ Antibody Discovery - Mouse BTLA (30-176) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1055F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse BTLA (30-176). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Mouse

Target Protein
BTLA

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 42.8 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Glu 30 - Gly 176 (Accession # Q32MV9).

Product Description

Application
SDS-PAGE

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

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. 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

BTLA

Full Name

B and T lymphocyte associated

Introduction

Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:12796776, PubMed:14652006). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:19915044). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:19915044).

Alternative Names

BTLA, B and T lymphocyte associated, B- and T-lymphocyte attenuator, B and T lymphocyte attenuator, B- and T-lymphocyte-associated protein, A630002H24, MGC124217, MGC124218,

Gene ID

208154

UniProt ID

Q7TSA3