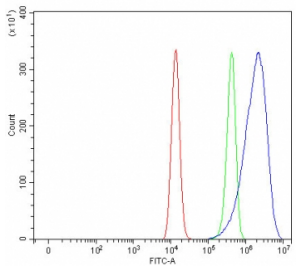
MART-1 Antibody / Melan-A (RQ8285)

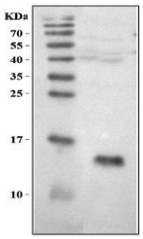
Catalog No.	Formulation	Size
RQ8285	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q16655
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This MART-1 antibody is available for research use only.



MART-1 Antibody HEL Cell FACS. Flow cytometry testing of fixed and permeabilized human HEL cells with MART-1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MART-1 antibody.



MART-1 Antibody Mouse Heart WB. Western blot testing of mouse heart tissue lysate with MART-1 antibody. Predicted molecular weight ~13 kDa, commonly observed at 13-20 kDa.

Description

MLANA (Melan-A, also known as MART1; MART-1), located on 9p24.1, is a Protein Coding gene. The gene produces a 13157 Da protein composed of 118 amino acids. MLANA is a hydrophobic transmembrane protein without glycosylation sites highly enriched in early melanosomes. MLANA is expressed in skin and retinae melanocytes and the majority of melanoma tumors, but it is absent from other tissues and tumors. Diseases such as Melanoma In Congenital Melanocytic Nevus and Angiomyolipoma are associated with MLANA. The related pathways of MLANA include NF-kappaB Signaling.

This antibody is part of the Melan-A antibody collection, where additional MLANA/MART-1 antibodies for various applications can be explored.

Application Notes

Optimal dilution of the MART-1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (M1-L37) was used as the immunogen for the MART-1 antibody.

Storage

After reconstitution, the MART-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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