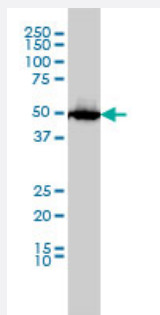


SLC45A2 monoclonal antibody (M01), clone 2F4

Catalog # H00051151-M01

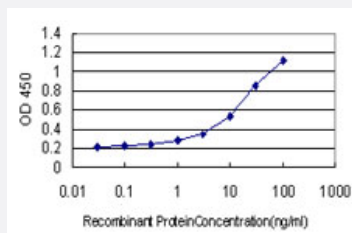
Size 100 ug

Applications



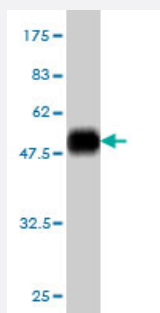
Western Blot (Cell lysate)

MATP monoclonal antibody (M01), clone 2F4 Western Blot analysis of MATP expression in HL-60 (Cat # L014V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC45A2 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (52.47 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant SLC45A2.

Immunogen	SLC45A2 (AAH03597, 1 a.a. ~ 243 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGSNSGQAGRHIYKSLADDGPFDSVEPPKRPTSRIMHSMAMFGREFCYAVEAAYVTPVLLSVG LPSSLYSIVWFLSPILGFLLPVVGASDHCRSRWGRRRPYILTLGVMMMLVGMALYLNQATVVAALI ANPRRKLVAISVTMIGVVLFDFAADFIDGPIKAYLFDVCSHQDKEKGLHYHALFTDSQGNDIKVTA ESTGEHASSLPLPLHQPPHWM DGLPVQHAVLHRFHGPDVCVPRGSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (82)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (52.47 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MATP monoclonal antibody (M01), clone 2F4 Western Blot analysis of MATP expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC45A2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC45A2

Entrez GeneID	51151
GeneBank Accession#	BC003597
Protein Accession#	AAH03597
Gene Name	SLC45A2
Gene Alias	1A1, AIM1, MATP, SHEP5
Gene Description	solute carrier family 45, member 2
Omim ID	606202 606574
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transporter protein that mediates melanin synthesis. The protein is expressed in a high percentage of melanoma cell lines. Mutations in this gene are a cause of oculocutaneous albinism type 4, and polymorphisms in this gene are associated with variations in skin and hair color. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	melanoma antigen AIM1 membrane associated transporter membrane-associated transporter protein underwhite

Publication Reference

- [Membrane-Associated Transporter Protein \(MATP\) Regulates Melanosomal pH and Influences Tyrosinase Activity.](#)

Bin BH, Bhin J, Yang SH, Shin M, Nam YJ, Choi DH, Shin DW, Lee AY, Hwang D, Cho EG, Lee TR.

PLoS One 2015 Jun; 10(6):e0129273.

Application: IF, WB-Ce, WB-Tr, Human, HeLa, MNT-1, SK-MEL1, SK-MEL2, SK-MEL3, SK-MEL5, WM2664 cells

Disease

- [Albinism](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
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