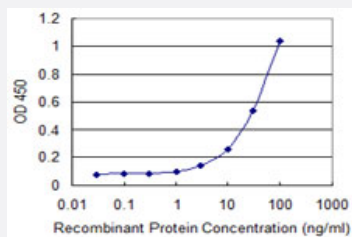


ABCG1 monoclonal antibody (M03), clone 2H8

Catalog # H00009619-M03

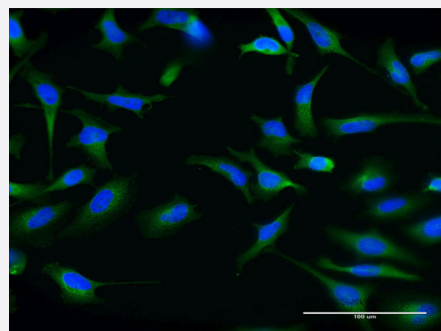
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ABCG1 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ABCG1 on HeLa cell .
[antibody concentration 20 ug/ml]

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ABCG1.

Immunogen

ABCG1 (AAH29158, 21 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

AEMTEPKSVCVSVDEVVSSNMEATETDLLNGHLKKVDNNLTEAQRFSLLPRRAAVNIEFRDLSY
SVPEGPWWRKKGYKTLLKGISGKFNSGELVAIMGPSGAGKSTLMNI

Host

Mouse

Reactivity

Human

Isotype

IgG1

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ABCG1 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ABCG1 on HeLa cell . [antibody concentration 20 ug/ml]

Gene Info — ABCG1

Entrez GeneID	9619
GeneBank Accession#	BC029158
Protein Accession#	AAH29158
Gene Name	ABCG1
Gene Alias	ABC8, MGC34313, WHITE1
Gene Description	ATP-binding cassette, sub-family G (WHITE), member 1
Omim ID	603076
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types. Six alternative splice variants have been identified. [provided by RefSeq]
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Other Designations

ABC transporter 8|ATP-binding cassette sub-family G member 1|ATP-binding cassette transporter 8|ATP-binding cassette transporter member 1 of subfamily G|OTTHUMP00000109322|homolog of Drosophila white|white protein homolog (ATP-binding cassette transporter

Publication Reference

- [7-Ketocholesterol and cholestane-triol increase expression of SMO and LXRA signaling pathways in a human breast cancer cell line.](#)

Debora Levy, Thatiana Correa de Melo, Beatriz A Oliveira, Jessica L Paz, Fabio A de Freitas, Cadiele O Reichert, Alessandro Rodrigues, Sergio P Bydlowski.

Biochemistry and Biophysics Reports 2018 Dec; 19:100604.

Application: IF, Human, MDA-MB-231 cells

Pathway

- [ABC transporters](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hyperlipidemias](#)
- [Kidney Failure](#)
- [Personality Inventory](#)