

Rat ABCA1 Monoclonal Antibody | anti-ABCA1 antibody

RAT ANTI MOUSE ABCA1:FITC

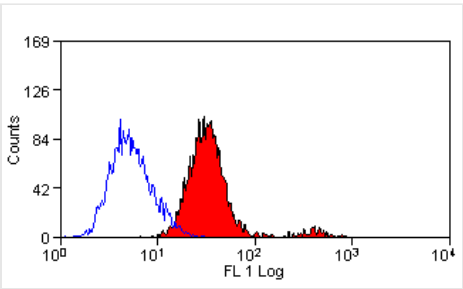
CATALOG # AAA49773	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

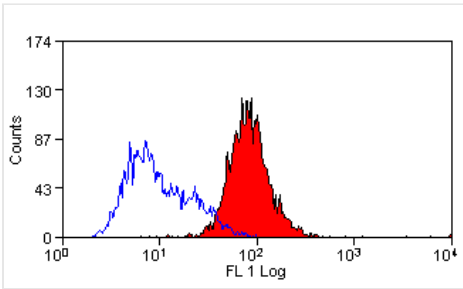
ABCA1; Monoclonal Antibody; RAT ANTI MOUSE ABCA1:FITC; anti-ABCA1 antibody

PRODUCT SPECIFICATIONS

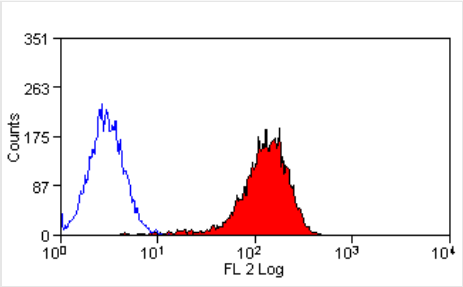
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5A1-1422
Form/Format	FITC; Phosphate buffered saline Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	2261
Applicable Applications for anti-ABCA1 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Max Ex/Em	Fluorophore: FITC; Excitation Max (nm): 490 Emission Max (nm): 525
Immunogen	ABCA1 transfected HeLa cells.
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Staining of pCPT-cAMP stimulated RAW264.7 cells with Rat anti Mouse ABCA1:FITC



Application Data
Staining of pCPT-cAMP stimulated RAW264.7 cells with Rat anti Mouse ABCA1:Alexa Fluor 488



Application Data
Staining of pCPT-cAMP stimulated RAW264.7 cells with Rat anti Mouse ABCA1:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-ABCA1 antibody	Rat anti Mouse ABCA1 antibody, clone 5A1-1422 recognizes murine adenosine triphosphate (ATP) Binding cassette transporter 1 (ABCA1). The ABC transporters are a large family of conserved proteins that transport a wide variety of molecules across cellular membranes. ABCA1 is a member of the ABC-A sub-family, which acts as a lipid translocator. The molecule was originally identified as a scavenger receptor on macrophages and research shows that ABCA1 also plays a major role in cholesterol metabolism. ABCA1 may play an important role in protecting against cardiovascular disease. Mutations in ABCA1 gene have been associated with Tangiers disease, a genetic disorder of lipid metabolism, and familial high density lipoprotein (HDL) deficiency.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	90568038
NCBI GeneID	11303
NCBI Accession #	NP_038482.3
NCBI GenBank Nucleotide #	NM_013454.3
UniProt Accession #	P41233; B1AWZ8
NCBI Official Full Name	ATP-binding cassette sub-family A member 1
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family A (ABC1), member 1
NCBI Official Symbol	Abca1
NCBI Official Synonym Symbols	Abc1; ABC-1
NCBI Protein Information	ATP-binding cassette sub-family A member 1; ATP-binding cassette 1; ATP-binding cassette transporter 1
UniProt Protein Name	ATP-binding cassette sub-family A member 1
UniProt Gene Name	Abca1
UniProt Synonym Gene Names	Abc1; ABC-1; ATP-binding cassette 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/abca1-antibody-clone-5a1-1422-flow-cytometry-elisa/49773>