SLC29A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC29A1, Polyclonal Antibody
Full Product Name	SLC29A1 Antibody, FITC conjugated
Product Gene Name	anti-SLC29A1 antibody
Product Synonym Names	Equilibrative nucleoside transporter 1; Equilibrative nitrobenzylmercaptopurine riboside-sensitive nucleoside transporter; Equilibrative NBMPR-sensitive nuc; SLC29A1; ENT1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SLC29A1 (MBS7051044) FITC Conjugated Antibody: SLC29A1 (MBS7051046)
Molecular Weight	58,963 Da
OMIM	U81375 mRNA
3D Structure	ModBase 3D Structure for Q99808
Immunogen	Recombinant human Equilibrative nucleoside transporter 1 protein (228-291AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-48489 / sc-134501
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC29A1 antibody	ELISA (EIA)
Related Product Information for anti-SLC29A1 antibody	Mediates both influx and efflux of nucleosides across the membrane (equilibrative transporter). It is sensitive (ES) to low concentrations of the inhibitor nitrobenzylmercaptopurine riboside (NBMPR) and is sodium-independent. It has a higher affinity for adenosine. Inhibited by dipyridamole and dilazep (anticancer chemotherapeutics drugs).
Other Notes	Small volumes of anti-SLC29A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC29A1 purchase	MBS7051046 is an antibody targeting SLC29A1. Also known as SLC29A1 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC29A1. It may not necessarily be applicable to this product.

NCBI GI #	118582262
NCBI GeneID	2030
NCBI Accession #	NP_001071643.1
UniProt Primary Accession #	Q99808
UniProt Secondary Accession #	Q5T9W9; Q9UJY2; B3KQV7; B3KQY5
UniProt Related Accession #	Q99808
GenBank Nucleotide #	NM_001078175.2
NCBI Official Full Name	equilibrative nucleoside transporter 1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 29 member 1 (Augustine blood group)
NCBI Official Symbol	SLC29A1
NCBI Official Synonym Symbols	ENT1
UniProt Protein Name	Equilibrative nucleoside transporter 1
UniProt Synonym Protein Names	Equilibrative nitrobenzylmercaptopurine riboside-sensitive nucleoside transporter; Equilibrative NBMPR-sensitive nucleoside transporter; Nucleoside transporter, es-type; Solute carrier family 29 member 1
Protein Family	Equilibrative nucleoside transporter
UniProt Gene Name	SLC29A1
UniProt Synonym Gene Names	ENT1; Equilibrative NBMPR-sensitive nucleoside transporter
UniProt Entry Name	S29A1_HUMAN
NCBI Protein Information	equilibrative nucleoside transporter 1
NCBI Summary for SLC29A1	This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for SLC29A1	SLC29A1: Mediates both influx and efflux of nucleosides across the membrane (equilibrative transporter). It is sensitive (ES) to low concentrations of the inhibitor nitrobenzylmercaptopurine riboside (NBMPR) and is sodium-independent. It has a higher affinity for adenosine. Inhibited by dipyridamole and dilazep (anticancer chemotherapeutics drugs). Belongs to the SLC29A/ENT transporter (TC 2.A.57) family. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Transporter; Transporter, SLC family Chromosomal Location of Human Ortholog: 6p21.1 Cellular Component: apical plasma membrane; basolateral plasma membrane; membrane; plasma membrane Molecular Function: nucleoside transmembrane transporter activity Biological Process: nucleobase, nucleoside, nucleotide and nucleic acid metabolic process; nucleoside transport
Research Articles on SLC29A1	**1.** Data show that equilibrative nucleoside transporter (hENT1) expression was an independent prognostic factor in both whole patients and those with resection.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/slc29a1/7051046