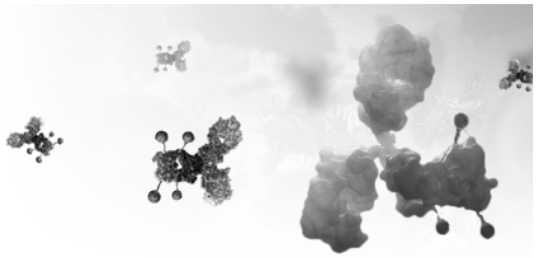

Human SLC29A1 blocking peptide (DAG-P0488)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Specificity	Expressed in heart, brain, mammary gland, erythrocytes and placenta, and also in fetal liver and spleen.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the SLC29A transporter family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SLC29A1 solute carrier family 29 (equilibrative nucleoside transporter), member 1 [Homo

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	sapiens (human)]
Official Symbol	SLC29A1
Synonyms	SLC29A1; solute carrier family 29 (equilibrative nucleoside transporter), member 1; ENT1; equilibrative nucleoside transporter 1; nucleoside transporter, es-type; solute carrier family 29 member 1; solute carrier family 29, member 1; equilibrative NBMPR-sensitive nucleoside transporter; solute carrier family 29 (nucleoside transporters), member 1; equilibrative nitrobenzylmercaptopurine riboside-sensitive nucleoside transporter; equilibrative nitrobenzylmercaptopurine riboside (NBMPR)-sensitive nucleoside transporter;
Entrez Gene ID	2030
mRNA Refseq	NM_001078174.1
Protein Refseq	NP_001071642.1
UniProt ID	Q99808
Chromosome Location	6p21.1
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Fluoropyrimidine Activity, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of nucleosides and free purine and pyrimidine bases across the plasma membrane, organism-specific biosystem; Transport of vitamins, nucleosides, and related molecules, organism-specific biosystem;
Function	nucleoside transmembrane transporter activity;

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