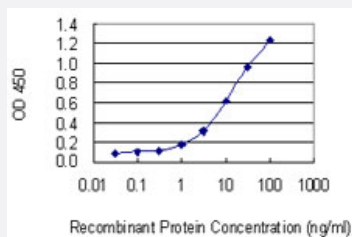


SLC22A4 monoclonal antibody (M01), clone 2D3

Catalog # H00006583-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC22A4 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SLC22A4.
Immunogen	SLC22A4 (NP_003050, 43 a.a. ~ 141 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AGTPEHRCRVPDAANLSSAWRNNSVPLRLRDGREVPHSCSRYLATIANFSALGLEPGRDVDLG QLEQESCLDGWEFSQDVYLSTVVTEWNLVCEDNWK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (81)
Isotype	IgG1 Kappa
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 SLC22A4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC22A4

Entrez GeneID	6583
GeneBank Accession#	NM_003059
Protein Accession#	NP_003050
Gene Name	SLC22A4
Gene Alias	MGC34546, MGC40524, OCTN1
Gene Description	solute carrier family 22 (organic cation/ergothioneine transporter), member 4
Omim ID	180300 266600 604190
Gene Ontology	Hyperlink
Gene Summary	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. The encoded protein is an organic cation transporter and plasma integral membrane protein containing eleven putative transmembrane domains as well as a nucleotide-binding site motif. Transport by this protein is at least partially ATP-dependent. [provided by RefSeq]
Other Designations	integral membrane transport protein organic cation transporter 4 solute carrier family 22 (organic cation transporter), member 4 solute carrier family 22 member 4

Publication Reference

- [Selective inactivation of hypomethylating agents by SAMHD1 provides a rationale for therapeutic stratification in AML.](#)

Oellerich T, Schneider C, Thomas D, Knecht KM, Buzovetsky O, Kaderali L, Schliemann C, Bohnenberger H, Angenendt L, Hartmann W, Wardelmann E, Rothenburger T, Mohr S, Scheich S, Comoglio F, Wilke A, Ströbel P, Serve H, Michaelis M, Ferreirós N, Geisslinger G, Xiong Y, Keppler OT, Cinatl J Jr.

Nature Communications 2019 Aug; 10(1):3475.

Application: WB-Ce, Human, Human acute myeloid leukemia cells

Disease

- [Anus Diseases](#)
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- [Asthma](#)
- [Autoimmune Diseases](#)
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- [Cholangitis](#)
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