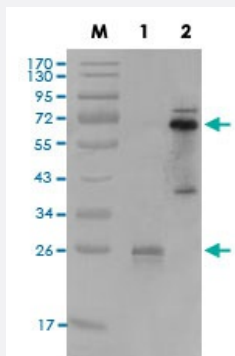


# SLC22A1 monoclonal antibody, clone 8C1A3

Catalog # MAB17684      Size 100 uL

## Applications



### Western Blot (Recombinant protein)

Western blot analysis of truncated (1) SYK-His recombinant protein and (2) PMA induced THP-1 cell lysate with SLC22A1 monoclonal antibody.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant human SLC22A1.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 296-484 of human SLC22A1 from <i>E. coli</i> .
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	ELISA (1:10000) Flow Cytometry Immunocytochemistry Immunohistochemistry Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In ascites (0.03% sodium azide).

**Storage Instruction**

Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Recombinant protein)

Western blot analysis of truncated (1) SYK-His recombinant protein and (2) PMA induced THP-1 cell lysate with SLC22A1 monoclonal antibody.

## Gene Info — SLC22A1

**Entrez GeneID**[6580](#)**Gene Name**

SLC22A1

**Gene Alias**

HOCT1, OCT1, oct1\_cds

**Gene Description**

solute carrier family 22 (organic cation transporter), member 1

**Omim ID**[602607](#)**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. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein. Two transcript variants encoding two different isoforms have been found for this gene, but only the longer variant encodes a functional transporter. [provided by RefSeq]

**Other Designations**

OTTHUMP00000017537|organic cation transporter 1|solute carrier family 22 member 1

## Disease

- [Breast cancer](#)
- [Cholestasis](#)
- [Diabetes Mellitus](#)

- [Diabetic Nephropathies](#)
- [Drug Toxicity](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Neovascularization](#)
- [Tobacco Use Disorder](#)