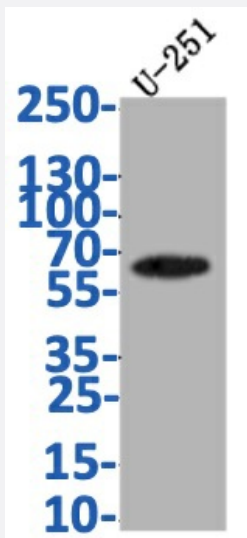


RecomAb™

SLC1A2 recombinant monoclonal antibody, clone 28F9

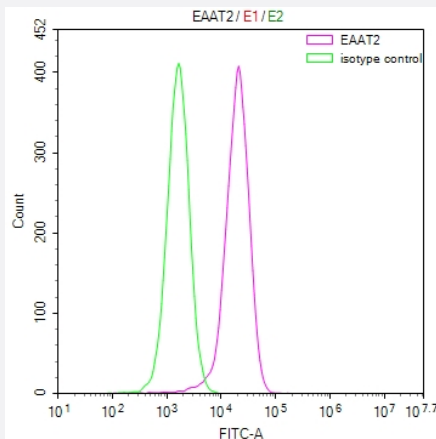
Catalog # RAB07694 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: U251 whole cell lysate.



Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with SLC1A2 recombinant monoclonal antibody, clone 28F9 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SLC1A2.
Antibody Species	Rabbit

Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SLC1A2.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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

Western Blot analysis of Lane 1: U251 whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with SLC1A2 recombinant monoclonal antibody, clone 28F9 (red line) at 1:50.

Gene Info — SLC1A2

Entrez GeneID	6506
Protein Accession#	P43004
Gene Name	SLC1A2
Gene Alias	EAAT2, GLT-1
Gene Description	solute carrier family 1 (glial high affinity glutamate transporter), member 2

Omim ID [600300](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a member of a family of solute transporter proteins. The membrane-bound protein is the principal transporter that clears the excitatory neurotransmitter glutamate from the extra cellular space at synapses in the central nervous system. Glutamate clearance is necessary for proper synaptic activation and to prevent neuronal damage from excessive activation of glutamate receptors. Mutations in and decreased expression of this protein are associated with amyotrophic lateral sclerosis. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq]

Other Designations

excitatory amino acid transporter 2|excitotoxic amino acid transporter 2|glial high affinity glutamate transporter|glutamate/aspartate transporter II|sodium-dependent glutamate/aspartate transporter 2|solute carrier family 1, member 2

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Alcoholism](#)
- [Child Development Disorders](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Personality Tests](#)
- [Postmortem Changes](#)
- [Reward](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)