

Human SLC6A4/5-HTTLPR Antibody

Monoclonal Mouse IgG_{2A} Clone # 632705 Catalog Number: MAB17292

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human SLC6A4/5-HTTLPR in direct ELISAs.	
Source	Monoclonal Mouse IgG _{2A} Clone # 632705	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Human SLC6A4/5-HTTLPR synthetic peptide Accession # P31645	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

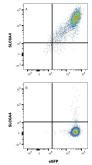
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25 μg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human SLC6A4/5-HTTLPR and eGFP

DATA

Flow Cytometry



Detection of SLC6A4/5-HTTLPR in HEK293 Human Cell Line Transfected with Human SLC6A4/5-HTTLPR and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) human SLC6A4/5-HTTLPR or (B) irrelevant protein, and eGFP was stained with Mouse Anti-Human SLC6A4/5-HTTLPR Monoclonal Antibody (Catalog # MAB17292) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on Mouse IgG2A Isotype Control (Catalog # MAB003, data not shown). Staining was performed using our Staining Membrane-associated Proteins protocol.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.	

BACKGROUND

SLC6A4 is an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into pre-synaptic neurons. It terminates the action of serotonin and recycles it in a sodium-dependent manner. A repeat length polymorphism in the promoter of SLC6A4 has been shown to affect the rate of serotonin uptake and may play a role in sudden infant death syndrome, aggressive behavior in Alzheimer disease patients, and depression-susceptibility in people experiencing emotional trauma.

Rev. 1/18/2022 Page 1 of 1

