

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human SLC6A4/5-HTTLPR in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 632705
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human SLC6A4/5-HTTLPR synthetic peptide Accession # P31645
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### 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.

**Flow Cytometry** Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Samples used for this experiment was HEK293 Human Cell Line Transfected with Human SLC6A4/5-HTTLPR and eGFP.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** **Protect from light. Do not freeze.**  

- 12 months from date of receipt, 2 to 8 °C as supplied.

#### 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.

#### PRODUCT SPECIFIC NOTICES

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