



Serotonin (8.F.255): sc-73024

BACKGROUND

Serotonin (5-hydroxytryptamine, or 5-HT) is a monoamine neurotransmitter that is made in serotonergic neurons in the central nervous system (CNS) and in enterochromaffin cells in the gastrointestinal tract. Neurons of the Raphe nuclei are the main source of Serotonin, and its action is terminated primarily via uptake of Serotonin from the synapse. In the CNS, Serotonin is important in the regulation of mood, sleep, vomiting, sexuality and appetite. Low levels of Serotonin are commonly associated with several disorders such as depression, migraines, bipolar disorder and anxiety. Several agents can inhibit Serotonin reuptake including MDMA, cocaine, tricyclic antidepressants and selective Serotonin reuptake inhibitors (SSRIs).

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SOURCE

Serotonin (8.F.255) is a rat monoclonal antibody raised against Serotonin (5-HT) conjugated to BSA.

PRODUCT

Each vial contains 100 μ l culture supernatant containing IgG2c with < 0.1% sodium azide.

APPLICATIONS

Serotonin (8.F.255) is recommended for detection of Serotonin containing cell bodies and terminals in the central and peripheral nervous systems of broad mammalian origin by immunofluorescence and immunohistochemistry (including paraffin-embedded sections) (starting dilution to be determined by researcher, dilution range 1:50-1:500); non cross-reactive with catecholamine rich neurons in formaldehyde fixed tissue sections. May cross-react with dopamine, tryptamine and methoxytryptamine in liquid media tests, and carcinoid tumours.

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.