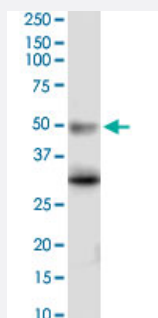


HTR5A monoclonal antibody (M02), clone 3D1

Catalog # H00003361-M02

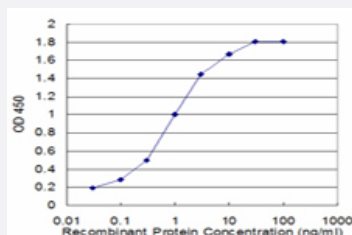
Size 100 ug

Applications



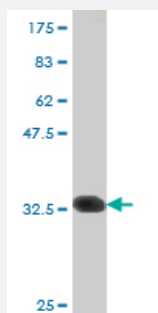
Western Blot (Cell lysate)

HTR5A monoclonal antibody (M02), clone 3D1. Western Blot analysis of HTR5A expression in PC-12.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HTR5A is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (32.34 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant HTR5A.

Immunogen	HTR5A (NP_076917, 223 a.a. ~ 282 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NYKAAKFRVGSRKTNVSPISEAVEVKDSAKQPQMVFTRHATVTFQPEGDTWREQKEQR
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (83); Rat (88)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.34 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

HTR5A monoclonal antibody (M02), clone 3D1. Western Blot analysis of HTR5A expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HTR5A is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HTR5A

Entrez GeneID [3361](#)

GeneBank Accession# [NM_024012](#)

Protein Accession#	NP_076917
Gene Name	HTR5A
Gene Alias	5-HT5A, MGC138226
Gene Description	5-hydroxytryptamine (serotonin) receptor 5A
Omim ID	601305
Gene Ontology	Hyperlink
Gene Summary	The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca²⁺ mobilization. [provided by RefSeq]
Other Designations	5-hydroxytryptamine receptor 5A

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cognition](#)
- [Disease Susceptibility](#)
- [Fatigue](#)

- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)