

# Mouse Monoclonal Antibody to HTR3A

## Order Information

Catalog#	31293	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

## Description

The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified.

## Specification

Aliases	: HTR3; 5HT3R; 5-HT-3; 5-HT3A; 5-HT3R
Entrez GeneID	: 3359
Swissprot	: P46098
clone	: 3B11C10
WB Predicted band size	: 55.3kDa
Host/Isotype	: Mouse IgG2a
Storage	: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Species Reactivity	: Human
Immunogen	: Purified recombinant fragment of human HTR3A (AA: extra 24-157) expressed in E. Coli.
Formulation	: Purified antibody in PBS with 0.05% sodium azide

## Application

IHC	1/200 - 1/1000
ICC	1/100 - 1/500
FCM	1/200 - 1/400
ELISA	1/10000

## References

- 1.PLoS One. 2015 Dec 23;10(12):e0145269.
- 2.Iran J Allergy Asthma Immunol. 2014 Feb;13(1):33-9.

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## Protocol

WB - [www.promab.com/protocol/wb.html](http://www.promab.com/protocol/wb.html)  
IHC - [www.promab.com/protocol/ihc.html](http://www.promab.com/protocol/ihc.html)  
ICC - [www.promab.com/protocol/icc.html](http://www.promab.com/protocol/icc.html)  
HCM - [www.promab.com/protocol/hcm.html](http://www.promab.com/protocol/hcm.html)

**Antigen Sequence** is available upon request.

## Products and Services

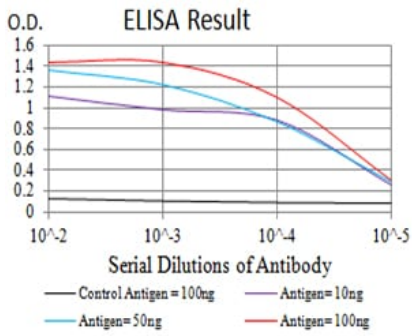
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

**For Research Only**

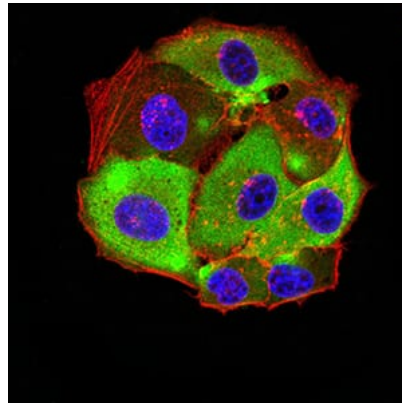
**Application Key:**WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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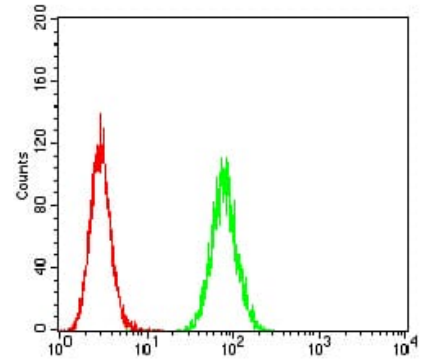
# Mouse Monoclonal Antibody to HTR3A



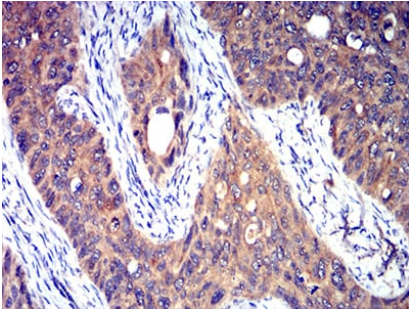
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



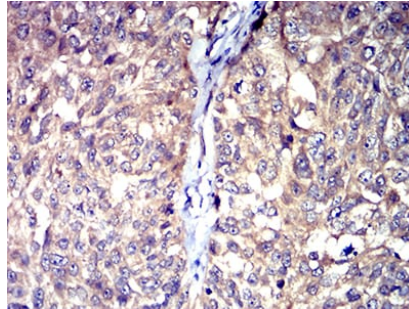
Immunofluorescence analysis of HeLa cells using HTR3A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using HTR3A mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using HTR3A mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using HTR3A mouse mAb with DAB staining.

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