

Datasheet for ABIN7043625
**anti-Serotonin Receptor 4 antibody (2nd Extracellular Loop)
 (FITC)**



[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	Serotonin Receptor 4 (HTR4)
Binding Specificity:	2nd Extracellular Loop, AA 168-180
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 4 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DVIEKRKFNHNSN, corresponding to amino acid residues 168-180 of rat 5-Hydroxytryptamine receptor 4
Isotype:	IgG
Characteristics:	Anti-5HT4 Receptor (HTR4) (extracellular) Antibody (ABIN7043624, ABIN7045290 and ABIN7045291)) is a highly specific antibody directed against an epitope of the rat Serotonin receptor 4. The antibody can be used in western blot, immunocytochemistry, and live cell imaging applications. It has been designed to recognize 5HT4 receptor from rat, mouse, and human samples. \nAnti-5HT4 Receptor (HTR4) (extracellular)-FITC Antibody (ABIN7043624, ABIN7045290 and ABIN7045291)-F) is directly conjugated to fluorescein isothiocyanate (FITC). The antibody can be used in immunofluorescent applications such as direct live cell flow cytometry.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: Serotonin Receptor 4 (HTR4)

Alternative Name: 5HT4 Receptor (HTR4) ([HTR4 Products](#))

Background: Alternative names: 5HT4 Receptor (HTR4), 5-Hydroxytryptamine receptor 4, Serotonin receptor 4

Gene ID: 25324

NCBI Accession: [NM_000870](#)

UniProt: [Q62758](#)

Pathways: [JAK-STAT Signaling](#), [cAMP Metabolic Process](#), [S100 Proteins](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 50 µL double distilled water (DDW).

Concentration: 1 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

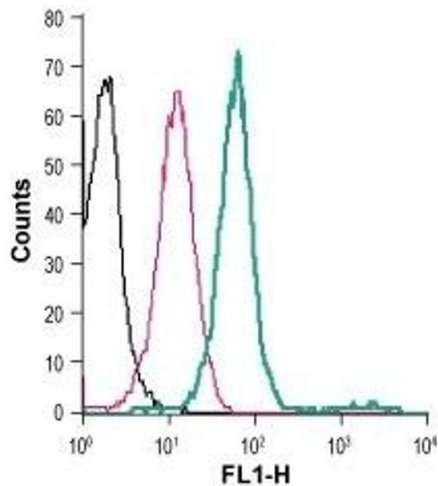
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

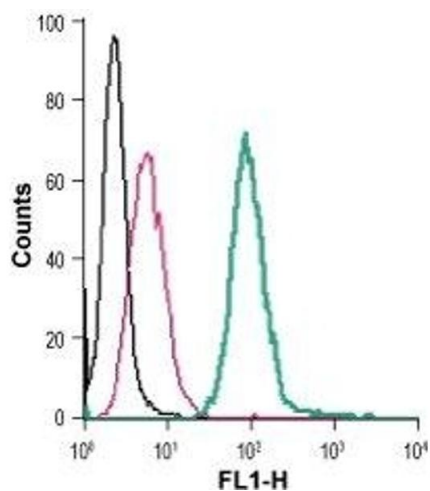
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid

multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Flow Cytometry

Image 1. Cell surface detection of 5HT4 receptor in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC.(green line) Cells + Anti-5HT4 Receptor (HTR4) (extracellular)-FITC Antibody (ABIN7043625, ABIN7045707, ABIN7045708 and ABIN7045709), (5 µg).



Flow Cytometry

Image 2. Cell surface detection of 5HT4 receptor in live intact mouse J774 macrophage cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC.(green line) Cells + Anti-5HT4 Receptor (HTR4) (extracellular)-FITC Antibody (ABIN7043625, ABIN7045707, ABIN7045708 and ABIN7045709), (2.5 µg).