

Datasheet for ABIN7043069

anti-CHRNA7 antibody (Extracellular, N-Term) (FITC)[Go to Product page](#)**2** Images

Overview

Quantity:	50 µL
Target:	CHRNA7
Binding Specificity:	AA 31-42, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA7 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KELVKNYNPLER, corresponding to amino acid residues 31-42 of rat nAChRα7
Isotype:	IgG
Characteristics:	Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular) Antibody (ABIN7043067, ABIN7044631 and ABIN7044632)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry, live cell imaging, and indirect flow cytometry applications. It has been designed to recognize nAChRα7 from mouse, rat, and human samples. \nAnti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular)-FITC Antibody (ABIN7043067, ABIN7044631 and ABIN7044632)-F) is directly conjugated to fluorescein isothiocyanate (FITC). This labeled antibody can be used in immunofluorescent applications such as direct live cell

Product Details

flow cytometry.

Purification: Affinity purified on immobilized antigen.

Target Details

Target: CHRNA7

Alternative Name: Nicotinic Acetylcholine Receptor alpha7 (CHRNA7) ([CHRNA7 Products](#))

Background: Alternative names: Nicotinic Acetylcholine Receptor alpha7 (CHRNA7), nAChR alpha7, Cholinergic receptor nicotinic alpha 7, Neuronal acetylcholine receptor subunit alpha-7, ACRA7

Gene ID: 25302

NCBI Accession: [NM_000746](#)

UniProt: [Q05941](#)

Pathways: [Synaptic Membrane](#)

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

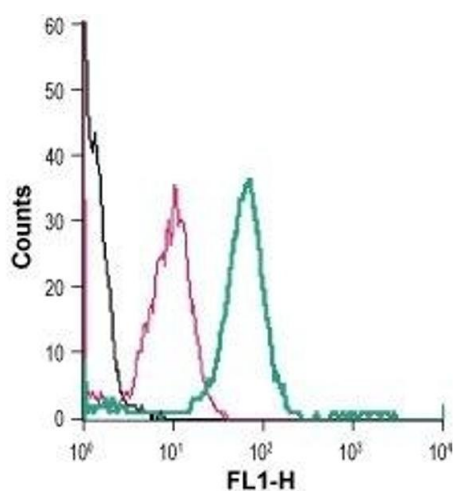
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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.

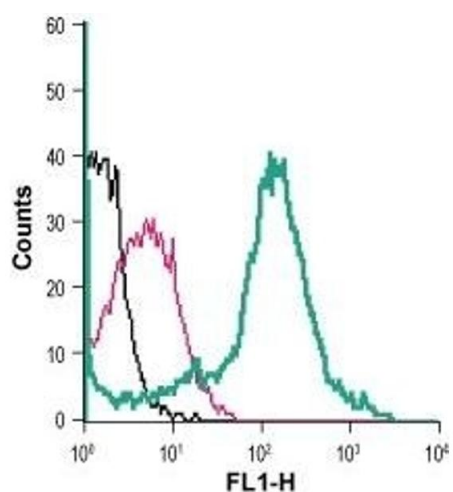
Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Flow Cytometry

Image 1. Cell surface detection of nAChRα7 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC.(green line) Cells + Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular)-FITC Antibody (ABIN7043069, ABIN7045591, ABIN7045592 and ABIN7045593), (2.5 µg).



Flow Cytometry

Image 2. Cell surface detection of nAChRα7 in live intact mouse J774 macrophage cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC.(green line) Cells + Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular)-FITC Antibody (ABIN7043069, ABIN7045591, ABIN7045592 and ABIN7045593), (5 µg).