

Product datasheet

Anti-Muscarinic Acetylcholine Receptor M4/CHRM4 antibody [18C7.2] ab77956

★★★★★ [2 Abreviews](#) [5 References](#) [1 Image](#)

Overview

Product name	Anti-Muscarinic Acetylcholine Receptor M4/CHRM4 antibody [18C7.2]
Description	Mouse monoclonal [18C7.2] to Muscarinic Acetylcholine Receptor M4/CHRM4
Host species	Mouse
Specificity	ab77956 reacts with Muscarinic Acetylcholine Receptor M4/CHRM4. There is no reactivity with the other subtypes.
Tested applications	Suitable for: IHC-Fr, IP, Flow Cyt, WB
Species reactivity	Reacts with: Mouse, Rat, Human, Monkey
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Transfected CHO cell lines
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: 1.45% Sodium chloride, 0.0536% PBS
Purity	Protein A purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	18C7.2
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab77956 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
WB	★★★★★ (2)	Use at an assay dependent concentration.

Target

Images

Flow Cytometry - Anti-Muscarinic Acetylcholine Receptor M4/CHRM4 antibody [18C7.2] (ab77956)

Overlay histogram showing SH-SY5Y cells stained with ab77956 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab77956, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

This image was generated using the ascites version of the product.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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