

Human Histamine H3 R Antibody

Monoclonal Mouse IgG_{2B} Clone # 1008944 Catalog Number: MAB10200

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Histamine H3 R in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 1008944
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human Histamine H3 R Accession # Q9Y5N1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

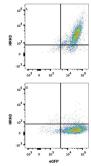
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Sample Concentration
Flow Cytometry	0.25 μg/10 ⁶ cells See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.

DATA

Flow Cytometry



Detection of Histamine H3 R in HEK293 Human Cell Line Transfected with Human Histamine H3 R and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) Histamine H3 R or (B) irrelevant protein, and eGFP were stained with Mouse Anti-Human Histamine H3 R Monoclonal Antibody (Catalog # MAB10200) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based Mouse IgG2B Isotype Control Antibody staining (Catalog # MAB0041, data not shown). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors Histamine H1 R, Histamine H2 R, Histamine H3 R and Histamine H4 R. HRH3 encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. Histamine H3 R is an integral membrane protein and can regulate neurotransmitter release. It can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system.

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