

Human Histamine H3 R Alexa Fluor® 750-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2420B
Catalog Number: FAB102001S
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human, mouse, and rat Histamine H3 R in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2420B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing Human/Mouse/Rat Histamine H3 R Accession # Q9Y5N1
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.

*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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 Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human HRH3 and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

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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