

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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 Histamine H3 R 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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