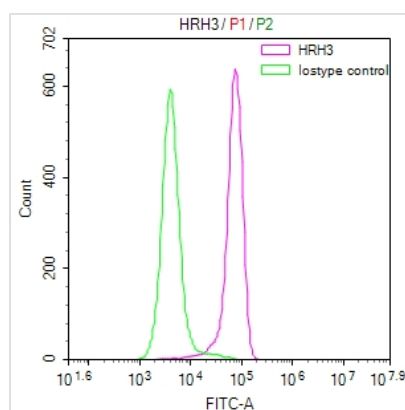




# HRH3 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA783626A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q9Y5N1
<b>Immunogen</b>	A synthesized peptide derived from Human HRH3
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, FC; Recommended dilution: FC:1:50-1:200
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Neuroscience
<b>Gene Names</b>	HRH3
<b>Clone No.</b>	27H8

## Image



Overlay Peak curve showing SH-SY5Y cells surface stained with CSB-RA783626A0HU (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1\*10<sup>6</sup> cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?. Control antibody (green line) was rabbit IgG (1µg/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

## Description

In the production of the HRH3 recombinant monoclonal antibody, in vitro expression systems are utilized, entailing the cloning of HRH3 antibody DNA sequences from immunoreactive rabbits. The immunogen used in this process is a synthesized peptide derived from the human HRH3 protein. Subsequently, the genes encoding the HRH3 antibodies are inserted into plasmid vectors, and these recombinant plasmid vectors are transfected into host cells to enable antibody expression. Following expression, the HRH3 recombinant monoclonal



antibody is purified through affinity chromatography and subjected to extensive testing in ELISA and FC applications. These tests affirm the antibody's reactivity with the human HRH3 protein.

HRH3 protein, as a histamine receptor, plays a central role in modulating neurotransmitter release in the central nervous system. Its functions extend to regulating histamine levels, influencing cognitive processes, sleep-wake cycles, appetite, and various physiological and neuropsychiatric processes.