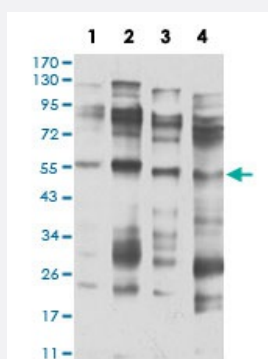


CHRNA5 monoclonal antibody, clone 2D2D10

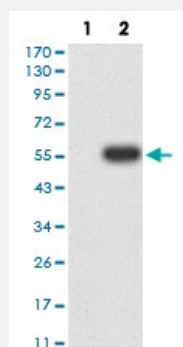
Catalog # MAB17537 Size 100 ug

Applications



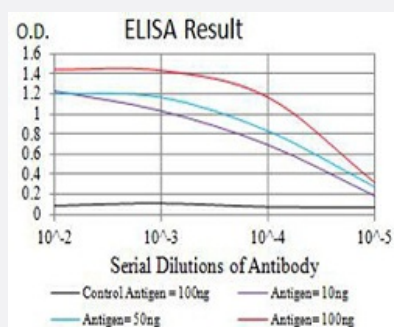
Western Blot (Cell lysate)

Western blot analysis of (1) membrane protein lysate of C6, (2) membrane protein lysate of SK-N-SH, (3) membrane protein lysate of C6, (4) C6 cell with CHRNA5 monoclonal antibody.



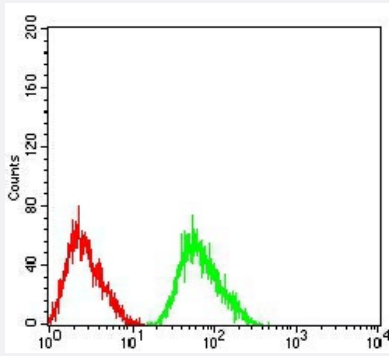
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) CHRNA5-hlgGfC transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CHRNA5 monoclonal antibody, clone 2D2D10.



Flow Cytometry

Flow cytometric analysis of SK-N-SH cells with CHRNA5 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human CHRNA5.
Immunogen	Recombinant protein corresponding to amino acid 23-254 of human CHRNA5 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	53
Reactivity	Human, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry (1:200-1:400) Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) membrane protein lysate of C6, (2) membrane protein lysate of SK-N-SH, (3) membrane protein lysate of C6, (4) C6 cell with CHRNA5 monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) CHRNA5-hlgGfc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CHRNA5 monoclonal antibody, clone 2D2D10.

- Flow Cytometry

Flow cytometric analysis of SK-N-SH cells with CHRNA5 monoclonal antibody (green) and negative control (red).

Gene Info — CHRNA5

Entrez GeneID [1138](#)

Gene Name CHRNA5

Gene Alias LNCR2

Gene Description cholinergic receptor, nicotinic, alpha 5

Omim ID [118505](#)

Gene Ontology [Hyperlink](#)

Gene Summary Nicotinic acetylcholine receptors (nAChRs), such as CHRNA5, are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The nAChRs are thought to be (hetero)pentamers composed of homologous subunits. See MIM 118508 for additional background information on AChRs.[supplied by OMIM]

Other Designations Cholinergic receptor, neuronal nicotinic, alpha polypeptide-5|cholinergic receptor, nicotinic, alpha polypeptide 5|neuronal nicotinic acetylcholine receptor, alpha5 subunit

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- [Bipolar Disorder](#)

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