BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CHRNE Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2564
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human CHRNE (AA: extra 21-239) expressed in E. Coli.
Mol wt	54.7kDa
Species reactivity	Human,Rat
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	ACHRE;CMS1D;CMS1E;CMS2A;CMS4A;CMS4B;CMS4C;FCCMS;SCCMS

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Acetylcholine receptors at mature mammalian neuromuscular junctions are pentameric protein complexes composed of four subunits in the ratio of two alpha subunits to one beta, one epsilon, and one delta subunit. The acetylcholine receptor changes subunit composition shortly after birth when the epsilon subunit replaces the gamma subunit seen in embryonic receptors. Mutations in the epsilon subunit are associated with congenital myasthenic syndrome.

Recommended Dilution

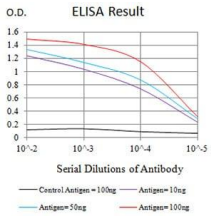
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

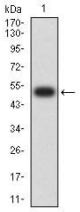
ELISA: 1:10000

Not yet tested in other applications.

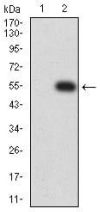
Images



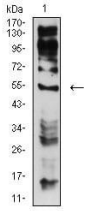
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



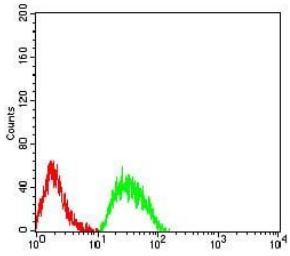
Western blot analysis using CHRNE mAb against human CHRNE (AA: extra 21-239) recombinant protein. (Expected MW is 50.1 kDa)



Western blot analysis using CHRNE mAb against HEK293 (1) and CHRNE (AA: extra 21-239)-hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using CHRNE mouse mAb against C6 (1) cell lysate.



Flow cytometric analysis of SK-N-SH cells using CHRNE mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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