

DATASHEET

CHRNA5 Mouse Monoclonal Antibody(C2637)

CAT. NO. AMA02249

KEY FEATURES

Target	CHRNA5	Source / Host	Mouse
Reactivity	Human, Rat	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Component of neuronal acetylcholine receptors (nAChRs) that function as pentameric, ligand-gated cation channels with high calcium permeability among other activities. nAChRs are excitatory neurotransmitter receptors formed by a collection of nAChR subunits known to mediate synaptic transmission in the nervous system and the neuromuscular junction. Each nAChR subunit confers differential attributes to channel properties, including activation, deactivation and desensitization kinetics, pH sensitivity, cation permeability, and binding to allosteric modulators that function as pentameric, ligand-gated cation channels with high calcium permeability among other activities.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to CHRNA5
Specificity	Recognizes endogenous levels of CHRNA5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CHRNA5 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 53 kD; Observed: 55 kD
Form/Buffer	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NACHRA5; Neuronal acetylcholine receptor subunit alpha-5
Gene Symbol	CHRNA5
Entrez Gene	1138(Human)
SwissProt	P30532(Human); P20420(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

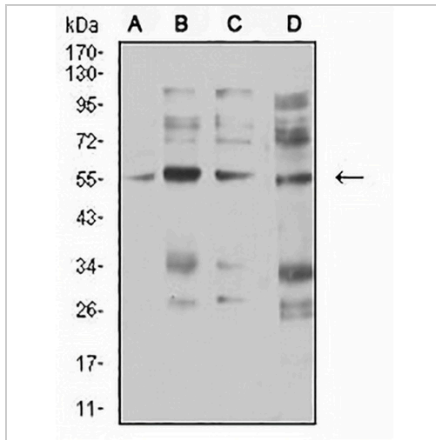
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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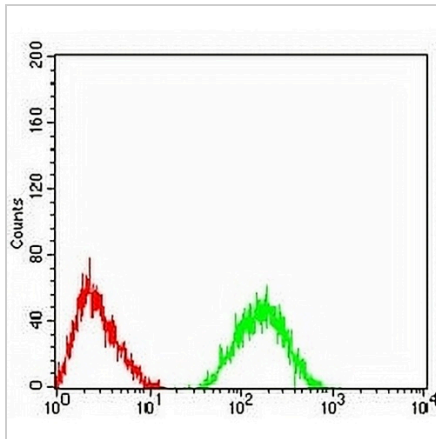
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Western blot analysis of CHRNA5 expression in C6 (A), SKNSH (B), C6 (C), C6 (D) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 55 kD)



Flow cytometric analysis of SKNSH cells using Anti-CHRNA5 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.