

Anti-Human Muscle Acetylcholine Receptor [mAb 192] Standard Size Ab00431-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Rat IgG2b, Fc Silent™, Kappa

Clone Number: mAb 192

Alternative Name(s) of Target: AChR

UniProt Accession Number of Target Protein: P02708 (For the alpha-subunit)

Published Application(s): Blocking, WB, ELISA

Published Species Reactivity: Rat, Human, Mouse

Immunogen: Human muscle AChR.

Specificity: The antibody binds to human muscle AChR with a K_d of 10 pM, to mouse muscle AChR with a K_d of 50 pM, and to rat muscle AChR with a K_d of 646 nM.

Application Notes: This antibody binds to the human muscle Acetylcholine receptor, which is a ligand-gated ion channel, transducing an action potential into the muscle cells. The antibody binds to the main immunogenic region (MIR) and prevents ligand-binding.

Antibody First Published in: Kontou et al. Characterisation, crystallisation and preliminary X-ray diffraction analysis of a Fab fragment of a rat monoclonal antibody with very high affinity for the human muscle acetylcholine receptor. FEBS Letters 1996; 389(2):195-198 [PMID:8766828](#)

Note on publication: Describes the generation of a super-high-affinity rat antibody against human muscle AChR and subsequent crystallography.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.