

Anti-Human Muscle Acetylcholine Receptor [mAb 192] Bulk size M Ab00431-1.7-BS

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Mouse IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse F(ab)2, AbFab2™ His-Tagged, 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 Kd of 10 pM, to mouse muscle AChR with a Kd of 50 pM, and to rat muscle AChR with a Kd 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: 1 mg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

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