

## Anti-Human Muscle Acetylcholine Receptor [mAb 192] Bulk Size Ab00431-10.6-BT

This is a Fab fragment with a his-tag.

This chimeric human 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:** Human Fab fragment, 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  $K_d$  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:** 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:** 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.