

## Anti-C3a-receptor [3G7] Standard Size Ab00358-10.3

Recombinant monoclonal antibody to C3a-receptor. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the scFv 3G7. 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:** Human IgG1, [Fc Silent™](#), Kappa

**Clone Number:** 3G7

**Alternative Name(s) of Target:** Complement component receptor 1; C3AR1

**UniProt Accession Number of Target Protein:** Q16581

**Published Application(s):** ELISA, FC

**Published Species Reactivity:** Human

**Immunogen:** The 2e loop of the C3a receptor.

**Specificity:** Binds specifically to the 2e loop of the human C3a receptor, residues 185-193.

**Application Notes:** This scFv antibody binds to the 2e loop of the human C3a receptor, a G protein-coupled receptor stimulating chemotaxis, superoxide anion generation and granule enzyme release.

**Antibody First Published in:** Hawlisch et al. 2001 Site-specific anti-C3a receptor single-chain antibodies selected by differential panning on cellulose sheets. *Analytica Biochemistry* 2001; 293(1):142-145 [PMID:11373092](#)

**Note on publication:** Describes the selection of scFv fragments with specificity for the C3a receptor from phage-display libraries.

### 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.