

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

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

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

**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.