

## Anti-C3 [C3-2] Standard Size Ab03806-10.3

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

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** C3-2

**Alternative Name(s) of Target:** Anti-C3-2 mAb; third component of complement; Complement C3; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1

**UniProt Accession Number of Target Protein:** P01024

**Published Application(s):** inhibition, SPR, WB, ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing mice with purified human C3.

**Specificity:** The antibody interacts specifically with native C3, containing an intact thioester bond and not with an inactive form of C3, containing a hydrolysed ester bond. The epitope in part located on the 23kD-α-chain fragment of C3c.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. The binding affinity of the humanised version of the antibody to native C3 was measured by surface plasmon resonance (Kd= 5.9 nM). The murine and the humanised version of the antibody could inhibit the activation of C3 (WO2004031240A1).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 100 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.