

## Anti-C3a [YHP133] Standard Size Ab02822-3.3

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 mouse antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Mouse IgG2b, [Fc Silent™](#), Kappa

**Clone Number:** YHP133

**Alternative Name(s) of Target:** Complement C3a; Complement C3 alpha chain

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

**Published Application(s):** Diagnostics

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated using human C3a as an immunogen.

**Specificity:** This antibody recognizes and binds the human C3a.

**Application Notes:** This antibody is recommended for detecting C3 or C3a in a biological sample using fluorescence resonance energy transfer (FRET). The biological sample is incubated with two antibodies that bind to human C3a. The first antibody binds the neoepitope and the second antibody does not bind the neoepitope and wherein the antibodies are a FRET pair. The detection of C3a is done by measuring the FRET signal. The biological sample may be human serum, plasma, cell supernatant, cell lysate, or urine (US20210025886).

**Antibody First Published in:** Forbes et al. High throughput method for measuring the protease activity of complement c3 convertase. (US20210025886) [PMID:](#)

**Note on publication:**

## 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.