

## Anti-Cocaine [M82G2] Standard Size Ab00352-10.3

Recombinant monoclonal antibody to Cocaine. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma M82G2. 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:** M82G2

**Alternative Name(s) of Target:** Benzoylmethylecgonine

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:**

**Immunogen:** Cocaine (Benzoylmethylecgonine)

**Specificity:** Specifically binds to cocaine.

**Application Notes:** This antibody binds to cocaine, a strong stimulant used clinically as a local analgesic and vasoconstrictor, as well as illegally as a recreational drug.

**Antibody First Published in:** Pozharski et al. 2005 Diversity in Hapten Recognition: Structural Study of an Anti-cocaine Antibody M82G2. Journal of Molecular Biology 2005; 349:570-582  
[PMID:15885702](#)

**Note on publication:** Describes the generation and crystallisation of an anti-cocaine monoclonal antibody.

### 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.