

Anti-Cocaine [M82G2] Standard Size Ab00352-6.4

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

Isotype and Format: Rat 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: n/a

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.