

Anti-Cocaine [GNC92H2] Standard Size Ab00351-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: GNC92H2

Alternative Name(s) of Target: Benzoylmethylecgonine

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: n/a

Immunogen: Benzoylecgonine-KLH conjugate.

Specificity: Specifically binds to Benzoylmethylecgonine (Cocaine) with a $K_d = 4E-7$, which is 100-fold difference in K_d to the carboxylic acid metabolite Benzoylmethylecgonine

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: Larsen et al. 2001 Crystal Structure of a Cocaine-binding Antibody. Journal of Molecular Biology 2001; 311:9-15 [PMID:11469854](#)

Note on publication: Describes the generation and humanisation of a cocaine-binding antibody and the determination of its crystal structure.

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.