



Anti-Benzoylecgonine monoclonal antibody, clone CF3 (DMABT-54903MB)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Anti BenzoylecgonineMouse Anti Benzoylecgonine
Specificity	DMABT-54903MB recognises benzoylecgonine, a metabolite of benzoylmethylecgonine. Benzoylmethylecgonine is also known as cocaine or coke, an alkaloid extracted from the leaves of the South American coca plant, Erythroxylon coca. Coca leaves are traditionally chewed or sucked, causing a slow absorption and hence a slow onset of action. Cocaine hydrochloride, however, is a white crystalline powder that may be snorted, resulting in very quick absorption and action. It may also be used intravenously or smoked as "crack". Historically it has had many medicinal uses, including as an analgesic and local anesthetic. Currently, the drug is a controlled substance. Cocaine stimulates the central nervous system, resulting in increased alertness, euphoria and a sense of confidence and physical strength. It can increase blood pressure, heart rate and body temperature and, once the effects are worn off, may result in anxiety, fatigue and depression. In the body cocaine is rapidly converted to metabolites, mainly benzoylecgonine and ecgonine methyl ester, with benzoylecgonine being the main urinary metabolite.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Chemical
Clone	CF3
Conjugate	Unconjugated
Applications	IA
Preparation	Purified IgG prepared by affinity chromatography on Protein A

Format	Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml
Size	1 mg
Buffer	Phosphate buffered saline
Preservative	0.05% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction	Benzoylecgonine is the predominant cocaine metabolite. This compound is not biologically active but is used as an indicator of cocaine use.
Keywords	Cocaine metabolite; Benzoylecgonine; BENZOYLECGONINE; 1alphaH,5alphaH-Tropane-2beta-carboxylic acid, 3beta-hydroxy-, benzoate (ester); 3-(Benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]octane-2-carboxylic acid; 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(benzoyloxy)-8-methyl; 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(benzoyloxy)-8-methyl-, [1R-(exo,exo)]-; Ecgonine benzoate; o-Benzoyl(-)-ecgonine; benzoylecgonine hydrate--dea schedule*ii item; benzoylecgonine methanol solution; BENZOYLECGONINE COCAINE METABOLITE; (1R,2R,3S,5S)-3-(Benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]; octane-2-carboxylic Acid; O-Benzoylecgonin; benzoylecgonine solution; BENZOYLECGONINE,1.0MG/MLINMETHANOL; BENZOYLECGONINE,100/MLINMETHANOL