Certificate of Analysis and Data Sheet
Sheep Anti-BENZOYLECGONINE
With HRP-conjugated Secondary Antibody

Catalog No.	Species	Isotype
DS-PB-00247	Chemical	Polyclonal IgG

Preparation

Immunogen: Benzoylecgonine conjugated to Keyhole Limpet via the carboxyl group
(Benzoylecgonine-KLH)
Purification: Purified IgG prepared by affinity chromatography on Protein G

Specificity

DS-PB-00247 recognizes benzoylecgonine, a metabolite of cocaine.
It cross-reacts with cocaine but has less than 0.1% reactivity with amphetamine, atropine, codeine,
cyclobarbitone, morphine, oxazepam and tetrahydrocannabinol
DS-PB-00247 is suitable for ELISA using Benzoylecgonine-KLH and has been used in FPIA
applications

Formulation

Product Form: Purified – liquid
Buffer Solution: Phosphate buffered saline
Preservative & Stabilizers: 0.09 % Sodium Azide
Approx. Protein Concentrations: IgG concentration 5.0 mg/ml

Storage

Store at +4°C or at -20°C if preferred.
This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this
product contain a precipitate we recommend microcentrifugation before use.
Please avoid freeze-thaw cycles.
Shelf Life: 18 months from date of dispatch

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay	•			
Radioimmunoassays	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000