

Ketamine Antibody

Product overview

Catalog number	100902
Specificity	Antibody primarily recognizes Ketamine.
Description	Protein A purified monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	0.05M Potassium Phosphate Buffer, pH 7.2 with 0.85% NaCl, 0.05% NaN ₃ as a preservative
Shelf life and storage	18 months from manufacturing at 2–8 °C
Subclass	IgG ₂
Analyte description	Ketamine is a dissociative and anesthetic drug with hallucinogenic properties. Ketamine's chemical structure is similar to phencyclidine (PCP).

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	≥ 3 mg/ml
Immunoreactivity	80–120 % compared to the reference sample in a FIA test
IEF Profile	7.0 - 8.4
Purity	≥ 95 %

Kinetic parameters

Association rate constant	N/D
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

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Cross-reactivities	Norketamine < 4 %; phencyclidine and paracetamol < 3 %				
Epitope	N/D				
Pair recommendations	170037 (BSA conjugate as capture) or 170065 (HRP conjugate as detection) Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.				
Platforms tested	ELISA, LF				
Antigens tested	Please see Pair recommendations above				
Product stability	<table><thead><tr><th>TEMPERATURE, TIME</th><th>RESULT</th></tr></thead><tbody><tr><td>N/D</td><td>-</td></tr></tbody></table>	TEMPERATURE, TIME	RESULT	N/D	-
TEMPERATURE, TIME	RESULT				
N/D	-				
Miscellaneous	This product was previously available with Catalog codes P02-99-31M-P and HM577. It has been produced using the same original mouse monoclonal hybridoma cell line. Immunogen: Ketamine-BgG				
References	-				



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