Medix Biochemica

Product specification
ANTIBODY
2024-02-29

Anti-EtG R12403 SPTNZ-1

Product overview

Catalog number	140052
Specificity	Antibody recognizes ethyl glucuronide (EtG)
Description	Recombinant antibody with human Fc region, cultured *in vitro* under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.05 % Sulfobetaine, 0.095 % NaN_3 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG_1
Analyte description	Ethyl glucuronide is an ethanol metabolite, that can be an indicator of alcohol consumption. Commonly used in employment/workplace testing, treatment centers, law enforcement and forensics.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	1.0 mg/ml (+/-10 %) (A280 nm, 1 mg/ml, 1 cm = 1.6)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	7.0–7.8
Purity	≥ 95 %

Kinetic parameters

Association rate constant	1.7 x 10^6 1/Ms
Dissociation rate constant	Does not dissociate under conditions used.
Affinity constant	Not applicable
Determination method	BLI (Octet RED96e)
Determination antigen	Ethyl glucuronide-BSA, Medix Biochemica (Cat LA189)

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Cross-reactivities	Not determined (N/D)
Epitope	N/D
Pair recommendations	Ethyl glucuronide-BSA, Medix Biochemica (Cat LA189) 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	FIA
Antigens tested	Please see pair recommendation above.

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous	-
References	-

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