

Product specifications

Name	Anti-EtG R12401 SPTN-5
Specificity	Antibody recognizes ethyl glucuronide
Description	Recombinant mouse IgG ₁ antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product code	140021
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG ₁
Analyte description	Ethyl glucuronide (EtG) is a metabolite of ethanol. It is used as a biomarker for alcohol consumption.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 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	6.1–6.4
Purity	≥ 95 %

Kinetic parameters

Association rate constant	4.5 x 10 ⁵ 1/Ms
Dissociation rate constant	Does not dissociate
Affinity constant	N/A (Not Applicable)
Determination method	BLI (Octet RED96e)
Determination antigen	Ethyl glucuronide-BSA, EastCoast Bio LA189

Legal disclaimer

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Cross-reactivities	N/D (Not Determined)													
Epitope	N/D													
Pair recommendations	Pairs with Ethyl glucuronide-BSA antigen, EastCoast Bio LA189.													
Platforms tested	FIA													
Antigens tested	Please see pair recommendations above.													
Product stability	<table><thead><tr><th>TEMPERATURE, TIME</th><th>RESULT</th></tr></thead><tbody><tr><td>-70 °C, 21 days</td><td>OK</td></tr><tr><td>-20 °C, 21 days</td><td>OK</td></tr><tr><td>+4 °C, 21 days</td><td>OK</td></tr><tr><td>+35 °C, 21 days</td><td>OK</td></tr><tr><td>+45 °C, 7 days</td><td>OK</td></tr></tbody></table>	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	
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	<p>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.</p>													
Miscellaneous	-													
References	-													

