Product Datasheet

Anti-Ethylglucuronide Antibody

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only for professional use

Article-No.: ABYT 7010	**Lot No./ Charge:** (see product label)	**Quantity:** 1 mg / 1 mg/ml
Product name: IgY - Anti-ethylglucuronide antibody		
Ethylglucuronide (EtG) is a direct metabolite of beverage alcohol (ethanol) metabolism. Its detection in urine indicates recent alcohol consumption, even after ethanol in blood or urine is no longer measurable. The presence of EtG in urine is a definitive indicator that alcohol was ingested. It is used as a biomarker to test for ethanol use and to document alcohol abstinence in situations where drinking is prohibited, such as military duty, in professional monitoring programs (health professionals, attorneys, airline pilots in recovery from addictions), in schools, liver transplant clinics, or in recovering alcoholic patients. In addition EtG also has potential to monitor alcohol use over time as can be detected in hair and nails.		
Immunogen	ethylglucuronide	
Host	chicken	
Isotype	immunoglobulin Y (IgY) – egg yolk	
Purification	ammonium sulphate precipitation	
Format	powder/ liquid	
Buffer	no/ PBS with 0.1 % sodium azide	
Storage	shipped at 4°C, store at -20°C	
Applications	*in vitro* diagnostics: ELISA, Agglutination-Test, Dot, Rapid-Test and other applications	
Specificity	**Compound** ethylglucuronide methylglucuronide glucuronid acid urochloralic acid ethanol trichloracetic acid ethyl-sulphate	**% Cross-reactivity** 100 5 <1 <1 <1 <1 <1
Proteine concentration	estimated by Bradford method	
Molecular weight estimation	SDS-PAGE (BioRad)	

Application (only for *in vitro* diagnostics): This product is for Research and Development use only. It must not be used as a remedy and not as an *in vivo* application. Foam or bubble development should be avoided. Any unused stock solution must then be divided into aliquots and frozen at -20°C. Repeated freezing and thawing is not recommended. For optimal immunoassay application we recommend to perform a chessboard titration (CBT) to avoid false-positive results.

Bochum, 28th November 2015 approved: _____
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