

For Research Use Only

CoraLite® Plus 488-conjugated ADH1B Monoclonal antibody



Catalog Number: CL488-66939

Featured Product

Basic Information

Catalog Number: CL488-66939	GenBank Accession Number: BC033009	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 125	CloneNo.: 1F1B4
Source: Mouse	Full Name: alcohol dehydrogenase 1B (class I), beta polypeptide	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 375 aa, 40 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG10630	Observed MW: 35-40 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HepG2 cells,
Species Specificity: Human, Mouse, Rat, Pig	

Background Information

The ADH1B gene encodes the beta subunit of class I alcohol dehydrogenase (ADH), an enzyme that catalyzes the rate-limiting step for ethanol metabolism: the oxidation of alcohol to acetaldehyde. Class I ADH is a homo- or heterodimeric molecule, formed by the association of 3 types of class I ADH subunits, alpha (ADH1A), beta, and gamma (ADH1C). ADH1B is also named as ADH2 and belongs to the zinc-containing alcohol dehydrogenase family. This protein can exist as a homodimer (PMID:19365573).

Storage

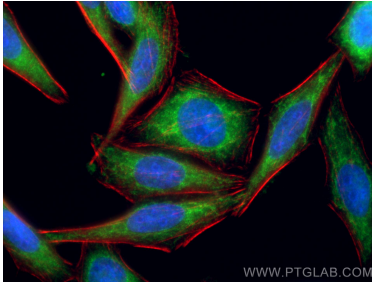
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 ADH1B antibody (CL488-66939, Clone: 1F1B4) at dilution of 1:200, CL594-Phalloidin (red), DAPI (blue).