

For Research Use Only

HBG1 Recombinant monoclonal antibody

Catalog Number: 86851-1-RR



Basic Information

Catalog Number: 86851-1-RR	GenBank Accession Number: BC010913	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3047	CloneNo.: 251754H5
Isotype: IgG	UNIPROT ID: P69891	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG22776	Full Name: hemoglobin, gamma A	
	Calculated MW: 147 aa, 16 kDa	
	Observed MW: 14-16 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HEL cells, K-562 cells IF/ICC : K-562 cells,

Background Information

HBG1, also named as Hb F Agamma, HBGA, HBGR and HSGGL, belongs to the globin family. HBG1 makes up the fetal hemoglobin F, in combination with alpha chains. Some gamma variants can cause severe jaundice and cyanosis in premature and new born babies. The antibody is specific to HBG1 and HBG2. The antibody has no cross reaction to HBB and HBD. HBG1 protein migrates around 16 kDa. Heterodimer of 32 kDa may also be observed. This antibody could identify HBG1 and HBG2.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

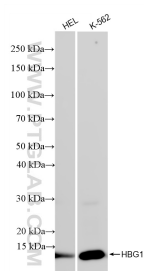
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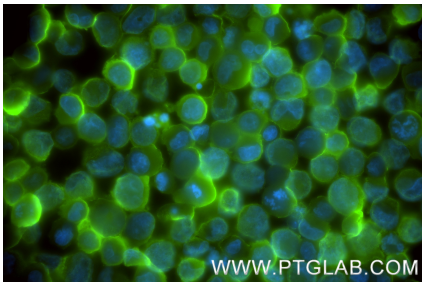
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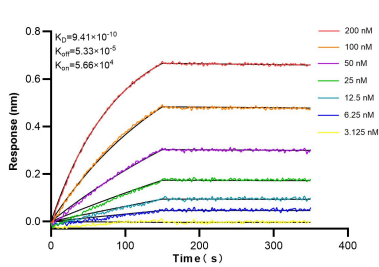
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86851-1-RR (HBG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using HBG1 antibody (86851-1-RR, Clone: 251754H5) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86851-1-RR against Human HBG1 were performed. The affinity constant is 0.941 nM.