

For Research Use Only

Alpha-1-microglobulin Recombinant antibody

Catalog Number:83678-3-RR



Basic Information

Catalog Number: 83678-3-RR	GenBank Accession Number: NM_001633.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 259	CloneNo.: 240751G7
Source: Rabbit	UNIPROT ID: P02760	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: alpha-1-microglobulin/bikunin precursor	
	Calculated MW: 39kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : human plasma, human urine sample
Species Specificity: human	

Background Information

Alpha 1 microglobulin, also known as HI30, is a 27-30 kDa glycoprotein, present in various body fluids. It belongs to the lipocalin superfamily of hydrophobic ligand-binding proteins forming an internal ligand-binding pocket. The protein acts as a mediator of bacterial adhesion to polymer surfaces and is involved in inhibiting renal lithogenesis.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

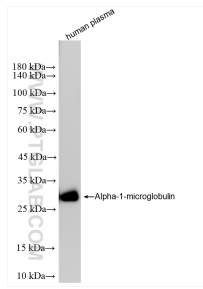
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

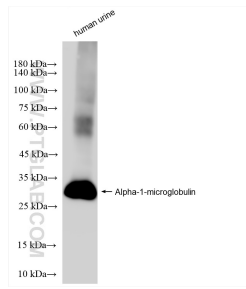
E: proteintech@ptglab.com
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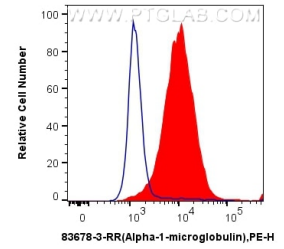
Selected Validation Data



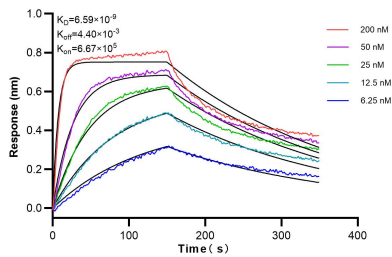
human plasma were subjected to SDS PAGE followed by western blot with 83678-3-RR (Alpha-1-microglobulin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



human urine sample were subjected to SDS PAGE followed by western blot with 83678-3-RR (Alpha-1-microglobulin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug Alpha 1 microglobulin Recombinant antibody (83678-3-RR, Clone:240751G7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83678-3-RR against Human Alpha 1 microglobulin were performed. The affinity constant is 6.59 nM.