

For Research Use Only

# Alpha-1-microglobulin Recombinant antibody, PBS Only (Detector)

Catalog Number: 83678-4-PBS



## Basic Information

**Catalog Number:**

83678-4-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001633.4

**GeneID (NCBI):**

259

**UNIPROT ID:**

P02760

**Full Name:**

alpha-1-microglobulin/bikunin precursor

**Calculated MW:**

39kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240751F6

## Applications

**Tested Applications:**

Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**

human

## Product Information

83678-4-PBS targets Alpha-1-microglobulin as part of a matched antibody pair:

MP00658-2: 83678-2-PBS capture and 83678-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

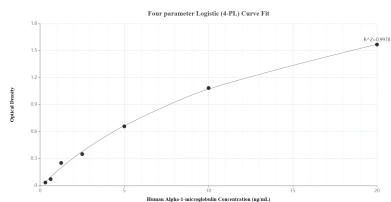
For technical support and original validation data for this product please contact:

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

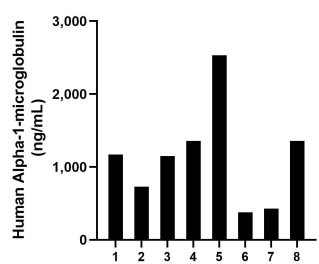
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

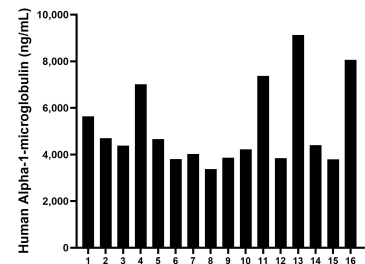
## Selected Validation Data



Sandwich ELISA standard curve of MP00658-2, Human Alpha-1-microglobulin Recombinant Matched Antibody Pair - PBS only. 83678-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1127. 83678-4-PBS was HRP conjugated as the detection antibody. Range: 0.31-20 ng/mL



Urine of eight individual healthy human donors was measured. The Alpha-1-microglobulin concentration of detected samples was determined to be 1,137.8 ng/mL with a range of 377.6 - 2,533.2 ng/mL



Serum of sixteen individual healthy human donors was measured. The Alpha-1-microglobulin concentration of detected samples was determined to be 5,141.28 ng/mL with a range of 3,368.97 - 9,130.33 ng/mL