

# ATG12 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01715-3**

## Capture Antibody Information

<b>Catalog Number:</b> 84935-1-PBS	<b>Clone ID:</b> 242483C10	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Rabbit	<b>Reactivity:</b> human	<b>Full name:</b> ATG12 autophagy related 12 homolog (S. cerevisiae)
<b>Isotype:</b> IgG	<b>GenBank:</b> BC012266	<b>Gene ID:</b> 9140
<b>Purification Method:</b> Protein A purification	<b>Immunogen Catalog Number:</b> Ag1791	

## Detection Antibody Information

<b>Catalog Number:</b> 84935-2-PBS	<b>Clone ID:</b> 242483D7	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Rabbit	<b>Reactivity:</b> human	<b>Full name:</b> ATG12 autophagy related 12 homolog (S. cerevisiae)
<b>Isotype:</b> IgG	<b>GenBank:</b> BC012266	<b>Gene ID:</b> 9140
<b>Purification Method:</b> Protein A purification	<b>Immunogen Catalog Number:</b> Ag1791	

## Applications

<b>Tested Applications:</b> Sandwich ELISA	<b>Range:</b> 19.5-1250 pg/mL (Sandwich ELISA)	<b>Recommended Dilutions:</b> It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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## Product Information

MP01715-3 targets ATG12 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: ATG12 Recombinant antibody, PBS Only (Capture) 84935-1-PBS (242483C10). 100 µg. Concentration 1 mg/mL.

Detection antibody: ATG12 Recombinant antibody, PBS Only (Detector) 84935-2-PBS (242483D7). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

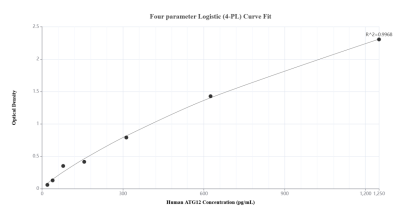
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

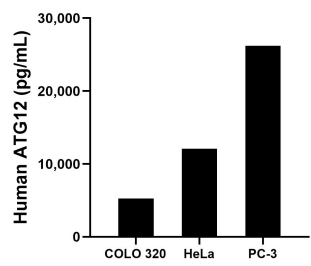
## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage buffer:**  
PBS only

## Selected Validation Data



Sandwich ELISA standard curve of MP01715-3, Human ATG12 Recombinant Matched Antibody Pair - PBS only. 84935-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag1791. 84935-2-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/mL



The mean ATG12 concentration was determined to be 5,245.1 pg/mL in COLO 320 cell extract based on a 2.0 mg/mL extract load, 12,068.3 pg/mL in HeLa cell extract based on a 1.3 mg/mL extract load and 26,207.3 pg/mL in PC-3 cell extract based on a 2.5 mg/mL extract load.