

# Integrin alpha-4 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: MP03046-2

## Capture Antibody Information

**Catalog Number:**  
87459-6-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252683F1  
**Reactivity:**  
human  
**GenBank:**  
**Immunogen Catalog Number:**  
Eg10494

**Conjugate:**  
Unconjugated  
**Full name:**  
integrin, alpha 4 (antigen CD49D,  
alpha 4 subunit of VLA-4 receptor)  
**Gene ID:**  
3676

## Detection Antibody Information

**Catalog Number:**  
87459-5-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252683H2  
**Reactivity:**  
human  
**GenBank:**  
**Immunogen Catalog Number:**  
Eg10494

**Conjugate:**  
Unconjugated  
**Full name:**  
integrin, alpha 4 (antigen CD49D,  
alpha 4 subunit of VLA-4 receptor)  
**Gene ID:**  
3676

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
0.625-40 ng/mL (Sandwich ELISA)

**Recommended Dilutions:**  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP03046-2 targets Integrin alpha-4 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: ITA4 Recombinant monoclonal antibody, PBS Only (Capture) 87459-6-PBS (252683F1). 100 µg. Concentration 1 mg/mL.

Detection antibody: ITA4 Recombinant monoclonal antibody, PBS Only (Detector) 87459-5-PBS (252683H2). 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.

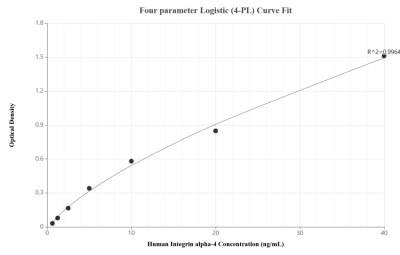
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

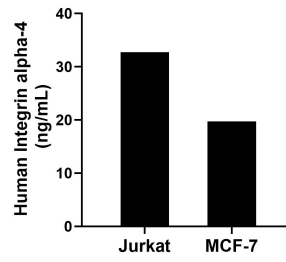
## Storage

**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 MP03046-2, Human Integrin alpha-4 Recombinant Matched Antibody Pair - PBS only. 87459-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg10494. 87459-5-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL



The mean Integrin alpha-4 concentration was determined to be 32.70 ng/mL in Jurkat cell extract based on a 1.20 mg/mL extract load and 19.70 ng/mL in MCF-7 cell extract based on a 1.20 mg/mL extract load.