

For Research Use Only

# CD117/c-Kit Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP01171-4

## Capture Antibody Information

**Catalog Number:**  
84259-8-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
241312G9  
**Reactivity:**  
human

**Conjugate:**  
Unconjugated  
**Full name:**  
v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog  
**Gene ID:**  
3815

## Detection Antibody Information

**Catalog Number:**  
84259-6-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
241313D1  
**Reactivity:**  
human  
**GenBank:**  
BC071593

**Conjugate:**  
Unconjugated  
**Full name:**  
v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog  
**Gene ID:**  
3815

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
0.313-10 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

MP01171-4 targets CD117/c-Kit in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: C-Kit Recombinant antibody, PBS Only (Capture) 84259-8-PBS (241312G9). 100 µg. Concentration 1 mg/ml.

Detection antibody: C-Kit Recombinant antibody, PBS Only (Detector) 84259-6-PBS (241313D1). 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.

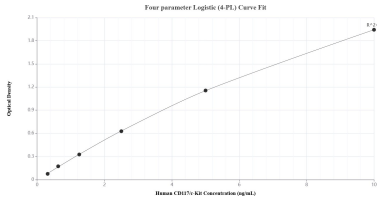
## Storage

**Storage:**  
Store at -80°C.  
**Storage buffer:**  
PBS only

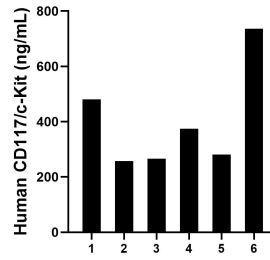
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

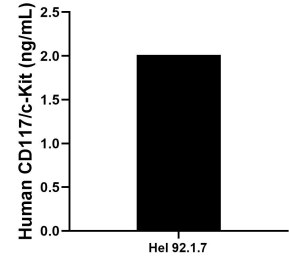
## Selected Validation Data



Sandwich ELISA standard curve of MP01171-4, Human CD117/c-Kit Recombinant Matched Antibody Pair - PBS only. 84259-8-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard RP02323. 84259-6-PBS was HRP conjugated as the detection antibody. Range: 0.313-10 ng/mL



Serum of six individual healthy human donors was measured. The CD117/c-Kit concentration of detected samples was determined to be 399.22 ng/mL with a range of 257.05-736.28 ng/mL



Hel 92.1.7 cells were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human CD117/c-Kit, and measured 2.01 ng/mL