

Caspase 1/P20 Hybrid Matched Antibody Pair

Catalog Number: **MP90002-1**

Capture Antibody Information

Catalog Number:
22915-1-AP
Host:
Rabbit
Isotype:
IgG
Purification Method:
Antigen affinity purification

Clone ID:
Reactivity:
human
GenBank:
BC062327
Immunogen Catalog Number:
Ag11143

Conjugate:
Unconjugated
Full name:
caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
Gene ID:
834

Detection Antibody Information

Catalog Number:
60313-1-Ig
Host:
Mouse
Isotype:
IgG1
Purification Method:
Protein G purification

Clone ID:
5H2B4
Reactivity:
human, rat
GenBank:
BC062327
Immunogen Catalog Number:
Ag11143

Conjugate:
Unconjugated
Full name:
caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
Gene ID:
834

Applications

Tested Applications:
Sandwich ELISA

Range:
7.8-500 pg/mL (Sandwich ELISA)

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

Product Information

MP90002-1 targets Caspase 1/P20 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Caspase 1/P20 Polyclonal antibody 22915-1-AP (). 100 µg. Concentration 1 mg/mL.

Detection antibody: Caspase 1/p20/p10 Monoclonal antibody 60313-1-Ig (5H2B4). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit polyclonal antibody and mouse monoclonal antibody pair in 50% glycerol storage buffer at a concentration of 812 µg/mL and 720 µg/mL, ready for conjugation. Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

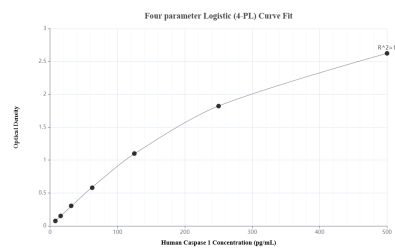
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Antibody use should be optimized for each application and assay.

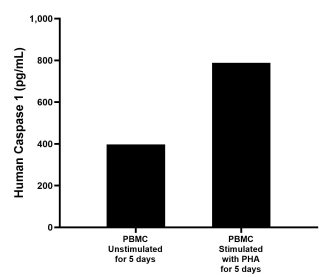
Storage

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 MP90002-1, Human Caspase 1 Hybrid Matched Antibody Pair. 22915-1-AP was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag10291. 60313-1-Ig was detection antibody, and HRP conjugated goat anti-mouse secondary antibody is added, followed by Tetramethyl-benzidine (TMB) reagent for signal development. Range: 7.8-500 pg/mL



Human peripheral blood mononuclear cells (1×10^6 cells/mL) were cultured in RPMI supplemented with 10% fetal bovine serum, $50 \mu\text{M}$ β -mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin and $100 \mu\text{g/mL}$ streptomycin sulfate. Cells were stimulated with $10 \mu\text{g/mL}$ PHA. The mean Caspase 1 concentration was determined to be 397.2 pg/mL in unstimulated PBMC supernatant and 788.6 pg/mL in PHA stimulated PBMC supernatant on day 5.