

Human/Mouse COX2/ Cyclooxygenase 2/ PTGS2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: MP03379-2 Capture Antibody Information

Catalog Number:
81368-10-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
253114E1
Reactivity:
human
Immunogen Catalog Number:
Ag26174

Conjugate:
Unconjugated
Full name:
prostaglandin-endoperoxide synthase
2 (prostaglandin G/H synthase and
cyclooxygenase)
Gene ID:
5743

Detection Antibody Information

Catalog Number:
81368-8-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
253114D4
Reactivity:
human
GenBank:
BC013734
Immunogen Catalog Number:
Ag26174

Conjugate:
Unconjugated
Full name:
prostaglandin-endoperoxide synthase
2 (prostaglandin G/H synthase and
cyclooxygenase)
Gene ID:
5743

Applications

Tested Applications:
Sandwich ELISA

Range:
0.313-20 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

MP03379-2 targets COX2/ Cyclooxygenase 2/ PTGS2 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: COX2/ Cyclooxygenase 2 Recombinant monoclonal antibody, PBS Only (Capture) 81368-10-PBS (253114E1). 100 µg. Concentration 1 mg/mL.

Detection antibody: COX2/ Cyclooxygenase 2 Recombinant monoclonal antibody, PBS Only (Detector) 81368-8-PBS (253114D4). 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.

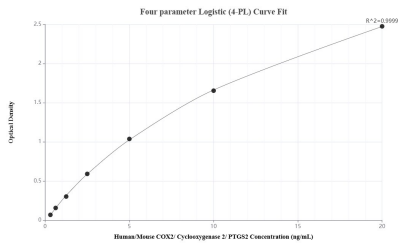
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

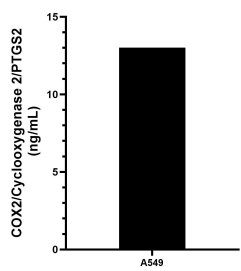
Storage

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

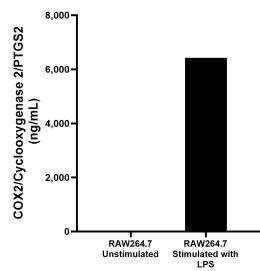
Selected Validation Data



Sandwich ELISA standard curve of MP03379-2, Human/Mouse COX2/ Cyclooxygenase 2/ PTGS2 Recombinant Matched Antibody Pair - PBS only. 81368-10-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag26174. 81368-8-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



The mean COX2/ Cyclooxygenase 2/ PTGS2 concentration was determined to be 13.01 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load.



The mean COX2/ Cyclooxygenase 2/ PTGS2 concentration was determined to be 13.84 ng/mL in unstimulated RAW264.7 cell extract based on a 1.1 mg/mL extract load and 6,427.43 ng/mL in LPS stimulated RAW264.7 cell extract based on a 3.2 mg/mL extract load.