

CYP7A1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02333-1**

Capture Antibody Information

Catalog Number:
86045-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
250554G11
Reactivity:
human
GenBank:
BC101777
Immunogen Catalog Number:
Ag12572

Conjugate:
Unconjugated
Full name:
cytochrome P450, family 7, subfamily A, polypeptide 1
Gene ID:
1581

Detection Antibody Information

Catalog Number:
86045-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
250554A10
Reactivity:
human
GenBank:
BC101777
Immunogen Catalog Number:
Ag12572

Conjugate:
Unconjugated
Full name:
cytochrome P450, family 7, subfamily A, polypeptide 1
Gene ID:
1581

Applications

Tested Applications:
Sandwich ELISA

Range:
0.781-50 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

MP02333-1 targets CYP7A1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CYP7A1 Recombinant antibody, PBS Only (Capture) 86045-4-PBS (250554G11). 100 µg. Concentration 1 mg/mL.

Detection antibody: CYP7A1 Recombinant antibody, PBS Only (Detector) 86045-3-PBS (250554A10). 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.

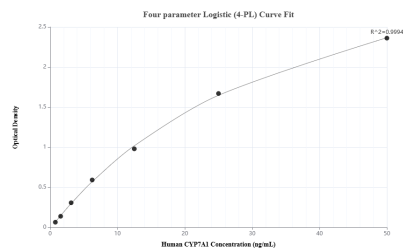
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

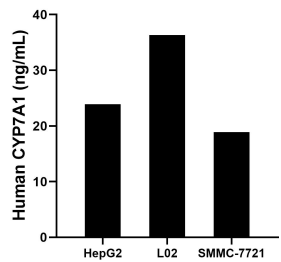
Storage

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 MP02333-1, Human CYP7A1 Recombinant Matched Antibody Pair - PBS only. 86045-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag12572. 86045-3-PBS was HRP conjugated as the detection antibody. Range: 0.781-50 ng/mL



The mean CYP7A1 concentration was determined to be 23.92 ng/mL in HepG2 cell extract based on a 0.9 mg/mL extract load, 36.30 ng/mL in L02 cell extract based on a 1.3 mg/mL extract load and 18.87 ng/mL in SMC-7721 cell extract based on a 2.2 mg/mL extract load.