

CYP1A1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03554-2**

Capture Antibody Information

Catalog Number: 88462-3-PBS	Clone ID: 261000E4	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: cytochrome P450, family 1, subfamily A, polypeptide 1
Isotype: IgG	GenBank: BC023019	Gene ID: 1543
Purification Method: Protein A purification	Immunogen Catalog Number: Ag3990	

Detection Antibody Information

Catalog Number: 88462-4-PBS	Clone ID: 261000B4	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: cytochrome P450, family 1, subfamily A, polypeptide 1
Isotype: IgG	GenBank: BC023019	Gene ID: 1543
Purification Method: Protein A purification	Immunogen Catalog Number: Ag3990	

Applications

Tested Applications: Sandwich ELISA	Range: 1.56-100 ng/mL (Sandwich ELISA)	Recommended Dilutions: It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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Product Information

MP03554-2 targets CYP1A1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CYP1A1 Recombinant monoclonal antibody, PBS Only (Capture) 88462-3-PBS (261000E4). 100 µg. Concentration 1 mg/mL.

Detection antibody: CYP1A1 Recombinant monoclonal antibody, PBS Only (Detector) 88462-4-PBS (261000B4). 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.

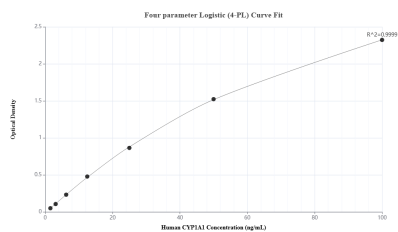
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

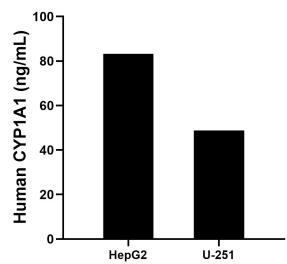
Storage

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 MP03554-2, Human CYP1A1 Recombinant Matched Antibody Pair - PBS only. 88462-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3990. 88462-4-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



The mean CYP1A1 concentration was determined to be 83.23 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load and 48.74 ng/mL in U-251 cell extract based on a 1.2 mg/mL extract load.