

# ACOX1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00709-3**

## Capture Antibody Information

**Catalog Number:**  
83731-1-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
240754D3  
**Reactivity:**  
human  
**GenBank:**  
BC010425  
**Immunogen Catalog Number:**  
Ag1405

**Conjugate:**  
Unconjugated  
**Full name:**  
acyl-Coenzyme A oxidase 1, palmitoyl  
**Gene ID:**  
51

## Detection Antibody Information

**Catalog Number:**  
83731-2-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
240754E3  
**Reactivity:**  
human, mouse, rat  
**GenBank:**  
BC010425  
**Immunogen Catalog Number:**  
Ag1405

**Conjugate:**  
Unconjugated  
**Full name:**  
acyl-Coenzyme A oxidase 1, palmitoyl  
**Gene ID:**  
51

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA

**Range:**  
0.78-50 ng/mL (Cytometric Bead Array)  
0.156-10 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

MP00709-3 targets ACOX1 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: ACOX1 Recombinant antibody, PBS Only (Capture) 83731-1-PBS (240754D3). 100 µg. Concentration 1 mg/mL.

Detection antibody: ACOX1 Recombinant antibody, PBS Only (Detector) 83731-2-PBS (240754E3). 100 µg. Concentration 1 mg/mL.

Alternative ACOX1 matched antibody pairs: MP00709-1, MP00709-2

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.

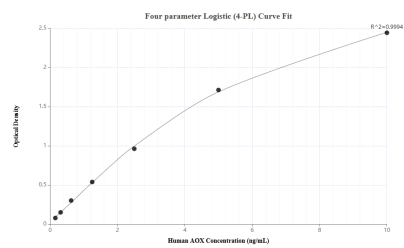
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

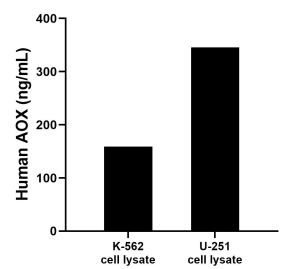
## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage buffer:**  
PBS only

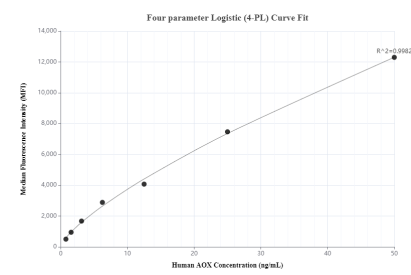
## Selected Validation Data



Sandwich ELISA standard curve of MP00709-3, Human AOX Recombinant Matched Antibody Pair - PBS only. 83731-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag1405. 83731-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



K-562 and U-251 cell lysates were measured. The human AOX concentration of detected samples was determined to be 158.79 ng/mL (based on a 2.1 mg/mL extract load) in K-562 cell lysate and 345.46 ng/mL (based on a 1.6 mg/mL extract load) in U-251 cell lysate.



Cytometric bead array standard curve of MP00709-3, AOX Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83731-1-PBS. Detection antibody: 83731-2-PBS. Standard: Ag1405. Range: 0.78-50 ng/mL