



**User's Manual**

# Human/Mouse Total COX-2 ELISA Kit

REF

DEIA-XY2255



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This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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## PRODUCT INFORMATION

### Intended Use

Human/Mouse Total COX-2 ELISA Kit is an ELISA-based assay using fluorogenic substrates to measure total Cyclooxygenase-2 (COX-2) in whole cells.

### Reagents And Materials Provided

1. Microplate - One 96-well cell culture clear-bottom black microplate and cover for use as a vessel in the assay.
2. Total COX-2 Antibody - 1 vial of lyophilized mouse anti-total COX-2 antibody.
3. Total GAPDH Antibody - 1 vial of lyophilized rabbit anti-total GAPDH antibody.
4. HRP-conjugated anti-mouse IgG - 110  $\mu$ L of HRP-conjugated donkey anti-mouse IgG secondary antibody.
5. AP-conjugated anti-rabbit IgG - 110  $\mu$ L of AP-conjugated donkey anti-rabbit IgG secondary antibody.
6. Substrate F1 Concentrate - 50  $\mu$ L of a sensitive and stable fluorogenic substrate for horseradish-peroxidase (HRP).
7. F1 Diluent - 10 mL of a solution for diluting the Substrate F1 Concentrate.
8. Substrate F2 - 10 mL of a sensitive and stable fluorogenic substrate for alkaline phosphatase (AP).
9. Blocking Buffer - 35 mL of 10% fetal bovine serum in buffer with preservatives.
10. Wash Buffer (5X) - 60 mL of a buffered surfactant with preservatives.
11. Plate Sealers - 4 adhesive strips.

### Storage

Store the unopened kit at 2-8°C. Do not use past the kit expiration date. This kit contains sufficient materials to run ELISAs on one 96-well plate.