

DESCRIPTION

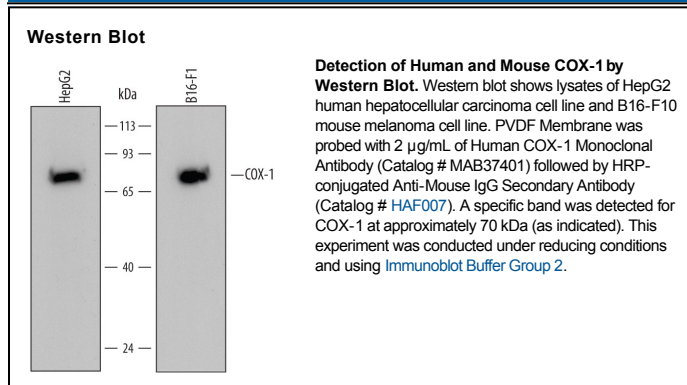
Species Reactivity	Human/Mouse
Specificity	Detects human COX-1 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) COX-411 and no cross-reactivity with rhCOX-1 or rhCOX-412 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 596002
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E.coli</i> -derived recombinant human COX-1 Asn381-Leu599 Accession # P23219
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

COX-1 is an approximately 70 kDa protein that is associated with microsomal membranes. COX-1 participates in the synthesis of prostaglandins and is the enzymatic target of non-steroidal anti-inflammatory drugs. A splice variant of COX-1 is generated by internal deletion of 37 residues. Human COX-1 shares 88%-90% amino acid sequence identity with mouse and rat COX-1.