

COX2 Monoclonal Antibody (COX 229), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	COX 229
Conjugate	PE
Immunogen	Synthetic peptide from human COX2
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802193

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg	-

Product Specific Information

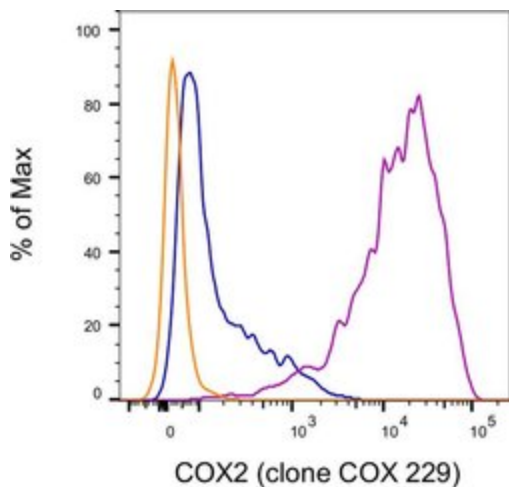
Description: This COX 229 monoclonal antibody recognizes human COX2 also known as PTGS2. This antibody has been reported to cross-react with the mouse and rat COX2. For optimal performance, we recommend using this antibody with the Foxp3 / Transcription Factor Staining Buffer Set and protocol.

Applications Reported: This COX 229 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This COX 229 antibody has been tested by intracellular staining followed by flow cytometric analysis of stimulated normal human peripheral blood cells using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Please refer to "Staining Intracellular Antigens for Flow Cytometry, Protocol B: One step protocol for intracellular (nuclear) proteins" located at www.thermofisher.com/flowprotocols. This may be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser

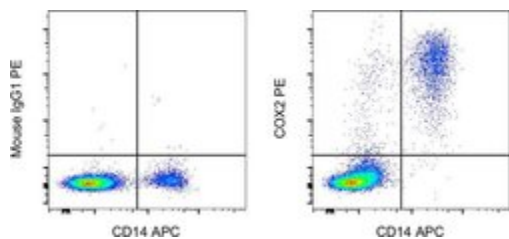
Advanced Verification Data



COX2 Antibody (12-9725-82)

Normal human peripheral blood cells were unstimulated (orange histogram) or stimulated with LPS (Product # 00-4976-03). Cells were then stained intracellularly, using the Foxp3/Transcription Factor Staining Buffer Set and protocol, with Mouse IgG1 kappa Isotype Control (blue histogram) or COX2 Monoclonal Antibody (purple histogram). Total viable cells as determined by Fixable Viability Dye eFluor 450 were used for analysis (Product # 65-0863-18). Relative expression validation info.

Product Images For COX2 Monoclonal Antibody (COX 229), PE, eBioscience™



COX2 Antibody (12-9725-82) in Flow

Normal human peripheral blood cells were stimulated for 5 hours with LPS (Product # 00-4976-03) and then stained intracellularly, using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with CD14 Monoclonal Antibody, APC (Product # 17-0149-42) and 0.06 µg Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or COX2 Monoclonal Antibody, PE (right). Total viable cells were used for analysis, as determined by Fixable Viability Dye eFluor 450 (Product # 65-0863-18).

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