

**bsm-33171M****[ Primary Antibody ]****BioSS**  
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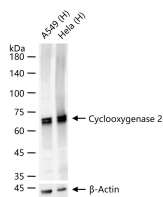
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**Cyclooxygenase 2 Mouse mAb****— DATASHEET —**

<b>Host:</b> Mouse	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)  <b>Reactivity:</b> Human  <b>Predicted MW.:</b> 65 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 5E5	
<b>GeneID:</b> 5743	<b>SWISS:</b> P35354	
<b>Target:</b> Cyclooxygenase 2		
<b>Purification:</b> affinity purified by Protein G		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis. [provided by RefSeq, Feb 2009]		

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with Cyclooxygenase 2 monoclonal antibody, unconjugated (bsm-33171M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.