

Cyclooxygenase 2 Mouse mAb

Catalog Number: bsm-51741M

Target Protein: Cyclooxygenase 2

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: F4H9

Isotype: IgG1,K

Applications: WB (1:200-1000)

Reactivity: Human

Predicted MW: 65 kDa

Entrez Gene: 5743

Swiss Prot: P35354

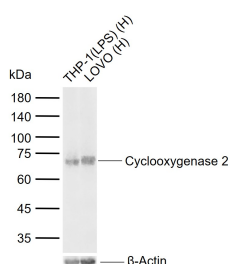
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

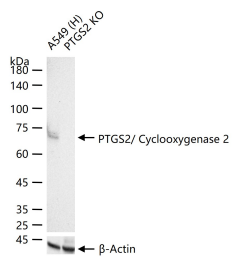
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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



Sample: Lane 1: Human THP-1(LPS) cell lysates Lane 2: Human LOVO cell lysates Primary: Anti-Cyclooxygenase 2 (bsm-51741M) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 65 kDa Observed band size: 70 kDa



25 ug total protein per lane of various lysates (see on figure) probed with PTGS2/Cyclooxygenase 2 monoclonal antibody, unconjugated (bsm-51741M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.