

## Product Datasheet

### mPGES-1 glutathione dependent prostaglandin E synthase protein - positive control GRP12185

**Tested Applications** WB

**Form/Appearance** Liquid

**Storage** Store protein standard at -20°C; Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Note** For research use only.

**MW** 16-17 kDa

**Dilution Range** Positive control: 5 µl load per well is optimal for most chemiluminescent detection systems. Preabsorption: 6-12 µg of protein/100 µl diluted anti-mPGES-1 serum (1:5000)

**Application Notes** Additional Information: Concentration: 0.42 µg/µl. Western blot: recommended load per gel to allow Coomassie staining and western blot detection is 5 µl. Immunolocalization: 6-12 µg of protein/100 µl diluted anti-mPGES-1 serum (1:5000) was used for preabsorption of mPGES-1 antibodies followed by immunolocalization. Protein is provided in 10 mM NaPI, pH 8, 150 mM KCl, 0.1 mM EDTA, 1mM GSH, 10 % glycerol, 0,1 % reduced Triton X-100. It has been produced in E.coli. If intended to be used in Western blot, loading buffer should be added and the solution should be heated up in 98°C for 5 minutes before loading on the gel. Background: mPGES-1 is an inducible glutathione dependent prostaglandin E synthase that converts cyclooxygenase derived PGH<sub>2</sub> into PGE<sub>2</sub>.