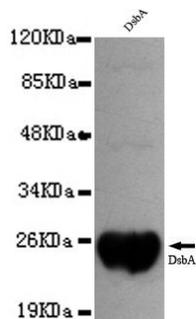




DsbA-Tag

Mouse monoclonal Antibody

#53152

**Catalog Number:** 53152**Amount:** 100µg/100µl**Swiss-Prot No. :** P0AEG4**Gene name:** dsba**Gene id:** 8114936**Clone Number:** 1A2-D4-G10**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant E.coli. DsbA protein fragments over expressed in E.coli.**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of DsbA and does not cross-react with related proteins**Reactivity:** E.coli**Applications:** Predicted MW: 24kd WB-re: 1:1000

Western blot detection of DsbA with DsbA recombinant protein using DsbA mouse mAb (1:1000 diluted). Predicted band size: 24KDa. Observed band size: 24KDa.

**Background:**

Disulfide oxidoreductase (DsbA) is the major oxidase responsible for generation of disulfide bonds in proteins of E. coli envelope. It is a member of the thioredoxin superfamily. DsbA introduces disulfide bonds directly into substrate proteins by donating the disulfide bond in its active site Cys30-Pro31-His32-Cys33 to a pair of cysteines in substrate proteins. DsbA is reoxidized by dsbB. It is required for pilus biogenesis.