

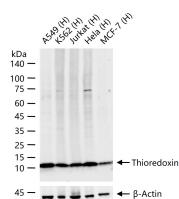
bsm-63003R**[Primary Antibody]****Bioss**
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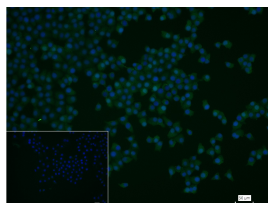
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Thioredoxin Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 2D20**GeneID:** 7295**SWISS:** P10599**Target:** Thioredoxin**Immunogen:** A synthesized peptide derived from human Thioredoxin: 1-55.**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity.**Applications:** WB (1:500-1:2000)
IHC-P (1:100-1:200)
IHC-F (1:100-1:200)
IF (1:50-1:200)
ICC/IF (1:50-1:200)
IP (1:20-1:50)**Reactivity:** Human**Predicted
MW.:** 12**Subcellular
Location:** Secreted ,Cytoplasm
Nucleus**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with Thioredoxin monoclonal antibody, unconjugated (bsm-63003R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed HepG2 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Thioredoxin) monoclonal Antibody, unconjugated (bsm-63003R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.