bsm-33118M **[Primary Antibody]**

Peroxiredoxin 1 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 10F9
GeneID: 5052
SWISS: Q06830
Target: Peroxiredoxin 1
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011].

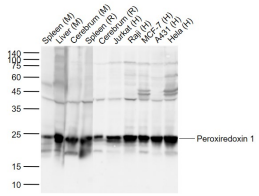
Applications: **WB** (1:500-1000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.5ug/Test)
ICC/IF (1:25)

Reactivity: Human, Mouse, Rat

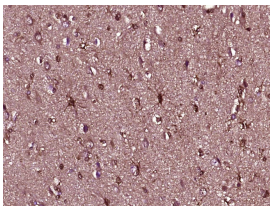
Predicted MW.: 22 kDa

Subcellular Location: Cell membrane ,Cytoplasm

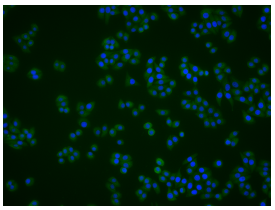
VALIDATION IMAGES



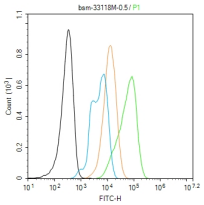
Sample: Lane 1: Mouse Spleen tissue lysates Lane 2: Mouse Liver tissue lysates Lane 3: Mouse Cerebrum tissue lysates Lane 4: Rat Spleen tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Human Jurkat cell lysates Lane 7: Human Raji cell lysates Lane 8: Human MCF-7 cell lysates Lane 9: Human A431 cell lysates Lane 10: Human Hela cell lysates Primary: Anti-Peroxiredoxin 1 (bsm-33118M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 23 kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peroxiredoxin 1) Monoclonal Antibody, Unconjugated (ascites of bsm-33118M 10F9) at 1:2000 overnight at 4°C, followed by a conjugated secondary (sp-0024) for 20 minutes and DAB staining.



MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Peroxiredoxin 1) polyclonal Antibody, Unconjugated (bsm-33118M) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control（black line）:Hela. Primary Antibody (green line): Mouse Anti-Peroxiredoxin 1 antibody (bsm-33118M) Dilution:0.5ug/Test; Secondary Antibody（white blue line）: Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test.

Isotype control（orange line）: Normal Mouse IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.