

G6PD monoclonal antibody

Catalog: MB21540

Host: Mouse

Reactivity: Human

BackGround:

This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a house-keeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

59kDa

Swiss-Prot:

P11413

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

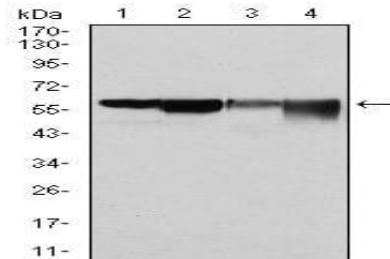
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

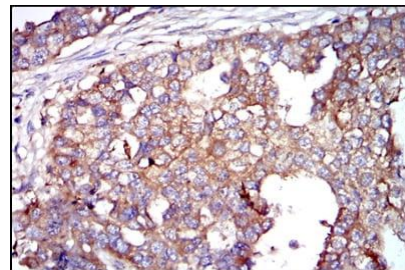
Isotype:

Mouse IgG1

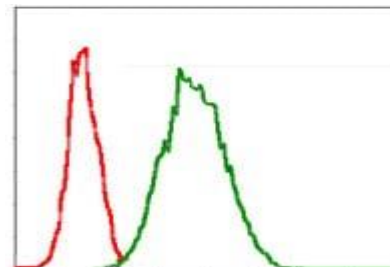
DATA:



Western blot analysis using G6PD mouse mAb against HeLa (1), MCF-7 (2), Jurkat (3) and K562 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using G6PD mouse mAb with DAB staining.



Flow cytometric analysis of Jurkat cells using G6PD mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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