Mouse Monoclonal Antibody to G6PD

Order Information

Catalog#	30287	
Size/Concentration	100μl	50μl
Price(¥)	2180	1280

Call 1-510-860-4615
+86-19375157864
Email Info@ProMab.com
Web www.ProMab.com
www.ProMab.cn

Description

This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping 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.

Specification

Aliases ： G6PD1

Entrez GeneID ： 2539

Swissprot ： P11413

clone ： 2H7

WB Predicted band size ： 59kDa

Host/Isotype ： Mouse IgG1

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

Species Reactivity ： Human

Immunogen ： Purified recombinant fragment of human G6PD expressed in E. Coli.

Formulation ： Ascitic fluid containing 0.03% sodium azide.

Application

WB	1/500 - 1/2000
IHC	1/200 - 1/1000
FCM	1/200 - 1/400
ELISA	1/10000

References

1. Science. 2009 Dec 11;326(5959):1546-9.
2. Immunol Invest. 2009;38(6):551-9.

Protocal

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

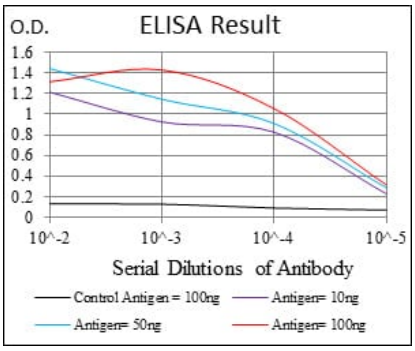
Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

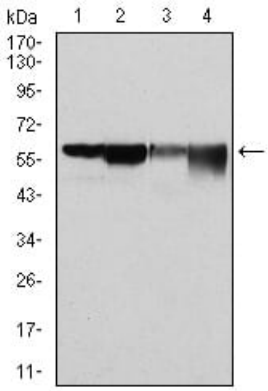
For Research Only

Application Key:WB - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation

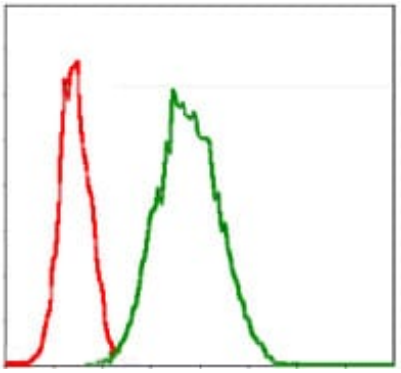
Mouse Monoclonal Antibody to G6PD



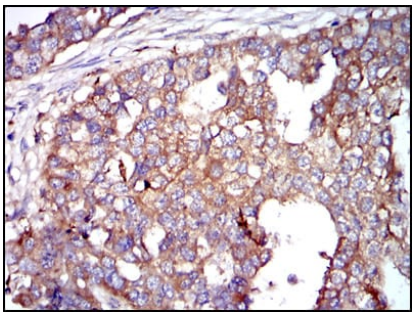
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



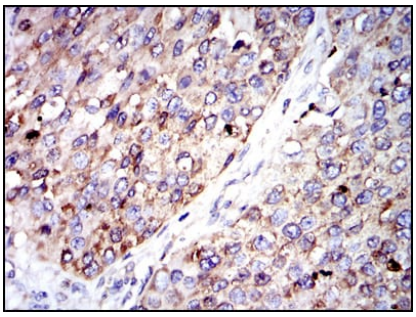
Western blot analysis using G6PD mouse mAb against Hela (1), MCF-7 (2), Jurkat (3) and K562 (4) cell lysate.



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



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



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

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