Mouse Monoclonal Antibody to G6PD

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

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

Entrez GeneID	2539
Aliases	G6PD1
Clone#	2H7
MW	59kDa
Host/Isotype	Mouse IgG1
Storage	4°C; -20°C for long term storage. 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

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

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

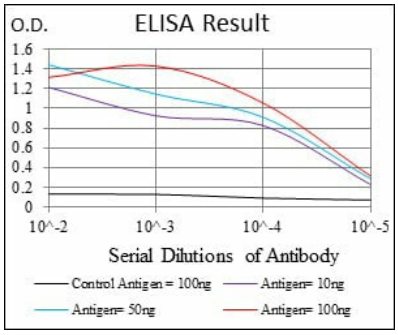
Antigen Sequence is available upon request.

Products and Services

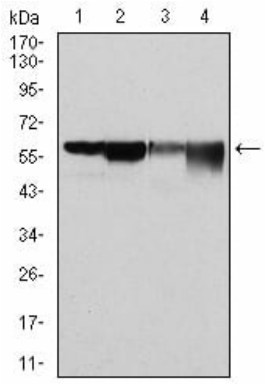
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

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

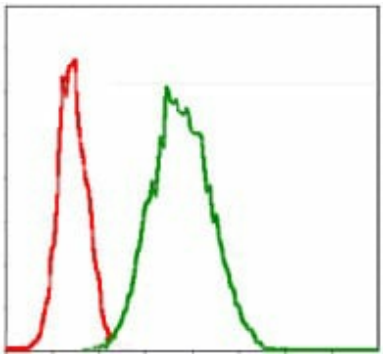
Mouse Monoclonal Antibody to G6PD



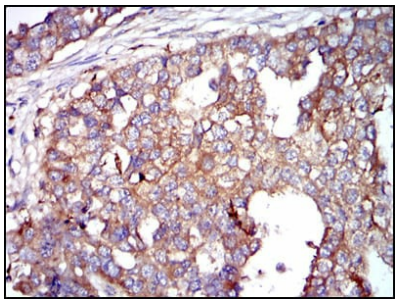
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



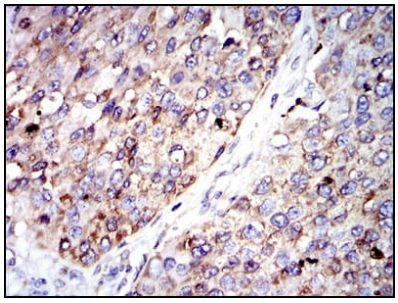
Western blot analysis using G6PD mouse mAb against Hela (1), MCF-7 (2), Jurkat (3) and K562 (4) cell lysate.



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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