

Mouse anti-Human G6PD Monoclonal Antibody | anti-G6PD antibody

G6PD Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320081	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

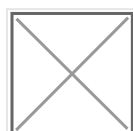
PRODUCT SYNONYMS

G6PD; Monoclonal Antibody; G6PD Monoclonal Antibody; Glucose-6-phosphate 1-dehydrogenase; anti-G6PD antibody

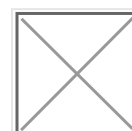
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	G6PD Monoclonal Antibody detects endogenous levels of G6PD protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-G6PD antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human G6PD expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES

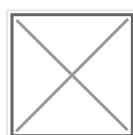


Application Data



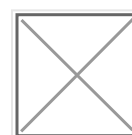
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of MCF-7 cells using G6PD Monoclonal Antibody (green) and negative control (red).



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded ovarian cancer tissues with DAB staining using G6PD Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using G6PD Monoclonal Antibody against HeLa (1). MCF-7 (2). Jurkat (3) and K562 (4) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-G6PD antibody	glucose-6-phosphate dehydrogenase(G6PD) Homo sapiens 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. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-G6PD antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1203978
NCBI GeneID	2539
UniProt Accession #	P11413; Q16000; Q16765; Q8IU70; Q8IU88; Q8IUA6; Q96PQ2; D3DWX9
Molecular Weight	59,257 Da
NCBI Official Full Name	G6PD
NCBI Official Synonym Full Names	glucose-6-phosphate dehydrogenase
NCBI Official Symbol	G6PD
NCBI Official Synonym Symbols	G6PD1
NCBI Protein Information	glucose-6-phosphate 1-dehydrogenase; glucose-6-phosphate dehydrogenase, G6PD
UniProt Protein Name	Glucose-6-phosphate 1-dehydrogenase
UniProt Gene Name	G6PD
UniProt Synonym Gene Names	G6PD
UniProt Entry Name	G6PD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.