

PGD Antibody (clone 2A5)
Mouse Monoclonal Antibody
Catalog # ALS16843**Specification**

PGD Antibody (clone 2A5) - Product Information

Application	WB, IHC-P, IF
Primary Accession	P52209
Other Accession	5226
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	53140
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200

PGD Antibody (clone 2A5) - Additional Information**Gene ID** 5226**Other Names**

PGD, 6PGD, PGDH, Phosphogluconate dehydrogenase

Target/Specificity

Human PGD

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

PGD Antibody (clone 2A5) is for research use only and not for use in diagnostic or therapeutic procedures.

PGD Antibody (clone 2A5) - Protein Information**Name** PGD**Synonyms** PGDH**Function**Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO₂, with concomitant reduction of NADP to NADPH.**Cellular Location**

Cytoplasm.

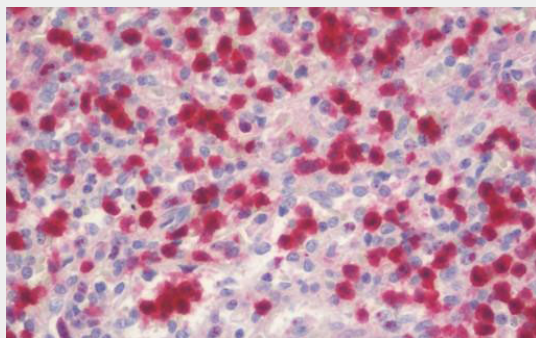
Volume
50 µl

PGD Antibody (clone 2A5) - Protocols

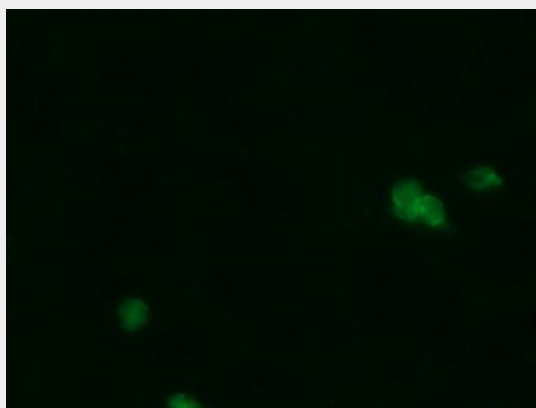
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

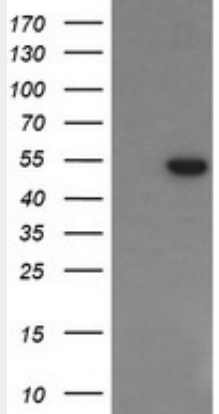
PGD Antibody (clone 2A5) - Images



Anti-PGD antibody IHC staining of human spleen.



Anti-PGD mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PGD...

PGD Antibody (clone 2A5) - Background

Catalyzes the oxidative decarboxylation of 6- phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH.

PGD Antibody (clone 2A5) - References

Tsui S.K.W.,et al.Biochem. Genet. 34:367-373(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Choudhary C.,et al.Science 325:834-840(2009).