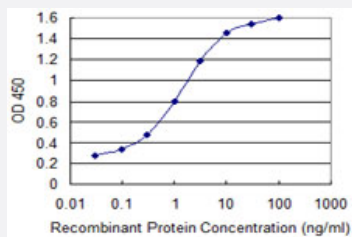


GLS monoclonal antibody (M05), clone 6E12

Catalog # H00002744-M05

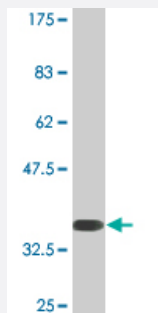
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GLS is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GLS.
Immunogen	GLS (NP_055720, 580 a.a. ~ 669 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EQRDYDSRTALHVA AAAEGHVEVVKFLLEACKVNPFPKDRWNNTPMDEALHFGHHDVFKILQEYQ VQYTPQGDS DNGKENQTVHKNLDGLL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GLS is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GLS

Entrez GeneID	2744
GeneBank Accession#	NM_014905
Protein Accession#	NP_055720
Gene Name	GLS
Gene Alias	AAD20, DKFZp686O15119, FLJ10358, GLS1, KIAA0838
Gene Description	glutaminase
Omim ID	138280
Gene Ontology	Hyperlink

Gene Summary

Sahai (1983) [PubMed 6825316] demonstrated phosphate-activated glutaminase (EC 3.5.1.2) in human platelets. It is the major enzyme yielding glutamate from glutamine. Significance of the enzyme derives from its possible implication in behavior disturbances in which glutamate acts as a neurotransmitter (Prusiner, 1981). High heritability of platelet glutaminase was indicated by studies of Sahai and Vogel (1983) [PubMed 6682827] who found an intraclass correlation coefficient of 0.96 for monozygotic twins and 0.53 for dizygotic twins.[supplied by OMIM]

Other Designations

K-glutaminase|L-glutamine amidohydrolase|glutaminase C|glutaminase, phosphate-activated

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [D-Glutamine and D-glutamate metabolism](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)

Disease

- [Birth Weight](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatic Encephalopathy](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)

- [Weight Gain](#)