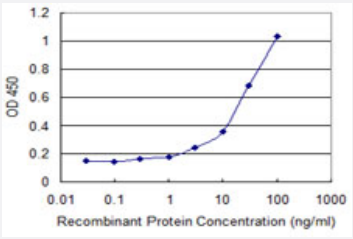
CYB5R3 monoclonal antibody (M01), clone 2A9

Catalog # H00001727-M01 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CYB5R3 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CYB5R3.
Immunogen	CYB5R3 (AAH04821.1, 157 a.a. ~ 252 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FAIRPDKKSNPIIRTVKSVGMIAGGTGITPMLQVIRAIMKDPDDHTVCHLLFANQTEKDILLRPELEELRNKHSARFKLWYTLDRAPEAWDYGQGF
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

Gene Info — CYB5R3

Entrez GeneID	1727
GeneBank Accession#	BC004821
Protein Accession#	AAH04821.1
Gene Name	CYB5R3
Gene Alias	B5R, DIA1
Gene Description	cytochrome b5 reductase 3
Omim ID	250800
Gene Ontology	Hyperlink
Gene Summary	This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endo plasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynt hesis, and in drug metabolism. The erythrocyte form is located in a soluble fraction of circulating e rythrocytes and is involved in methemoglobin reduction. The membrane-bound form has both me mbrane-binding and catalytic domains, while the soluble form has only the catalytic domain. Thes e two forms are resulted from alternative splicing of the gene. Mutations in this gene cause methe moglobinemias. [provided by RefSeq
Other Designations	NADH-cytochrome b5 reductase|OTTHUMP00000028761|cytochrome b5 reductase|diaphorase (NADH) (cytochrome b-5 reductase)

Pathway

- Amino sugar and nucleotide sugar metabolism

Disease

- Kidney Failure