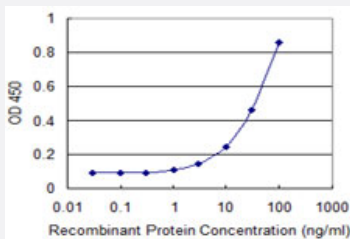


OPA1 monoclonal antibody (M05), clone 1C10

Catalog # H00004976-M05

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged OPA1 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant OPA1.
Immunogen	OPA1 (NP_056375, 851 a.a. ~ 960 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NHCNLCRRGFYYYQRHFVDSELECNDVVLFWRIQRMLAITANTLRQQLTNTEVRRLEKNVKEVLE DFAEDGEKKIKLLTGKRVQLAEDLKKVREIQEKLDAFIEALHQEK
Host	Mouse
Reactivity	Human
Isotype	IgG1 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)

Detection limit for recombinant GST tagged OPA1 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — OPA1

Entrez GeneID [4976](#)

GeneBank Accession# [NM_015560](#)

Protein Accession# [NP_056375](#)

Gene Name OPA1

Gene Alias FLJ12460, KIAA0567, MGM1, NPG, NTG, largeG

Gene Description optic atrophy 1 (autosomal dominant)

Omim ID [125250](#) [165500](#) [605290](#) [606657](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product is a nuclear-encoded mitochondrial protein with similarity to dynamin-related GTPases. It is a component of the mitochondrial network. Mutations in this gene have been associated with optic atrophy type 1, which is a dominantly inherited optic neuropathy resulting in progressive loss of visual acuity, leading in many cases to legal blindness. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000195065|mitochondrial dynamin-like GTPase|optic atrophy 1

Disease

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Leber hereditary optic neuropathy](#)

- [Low Tension Glaucoma](#)
- [Ocular Hypertension](#)
- [Optic Atrophies](#)
- [Optic Atrophy](#)