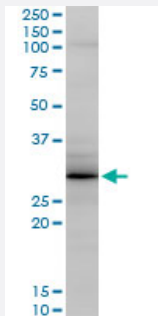


GCA monoclonal antibody (M04), clone 2F11

Catalog # H00025801-M04

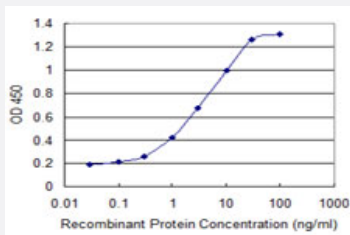
Size 100 ug

Applications



Western Blot (Cell lysate)

GCA monoclonal antibody (M04), clone 2F11. Western Blot analysis of GCA expression in IMR-32 (Cat # L008V1).



Sandwich ELISA (Recombinant protein)

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

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant GCA.
Immunogen	GCA (AAH05214, 1 a.a. ~ 217 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYSGPAYSDTYSSAGDSVYTYFSAVAGQ DGEVDAEELQRCLTQSGINGTYSFSLCTCRIMIAMLDRDHTGKMGFNAFKELWAALNAWKENF MTVDQDGS GTVEHHEL RQAIGLMGYRLSPQTLTTIVKRYSKNGRIFFDDYVACCVKLRALTDFFRK RDHLQQGSANFIYDDFLQGTMAI
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (81); Rat (80)
Isotype	IgG2b 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

- Western Blot (Cell lysate)

GCA monoclonal antibody (M04), clone 2F11. Western Blot analysis of GCA expression in IMR-32(Cat # L008V1).

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — GCA

Entrez GeneID	25801
GeneBank Accession#	BC005214
Protein Accession#	AAH05214
Gene Name	GCA
Gene Alias	GCL
Gene Description	grancalcin, EF-hand calcium binding protein
Omim ID	607030
Gene Ontology	Hyperlink

Gene Summary

This gene product, grancalcin, is a calcium-binding protein abundant in neutrophils and macrophages. It belongs to the penta-EF-hand subfamily of proteins which includes sorcin, calpain, and ALG-2. Grancalcin localization is dependent upon calcium and magnesium. In the absence of divalent cation, grancalcin localizes to the cytosolic fraction; with magnesium alone, it partitions with the granule fraction; and in the presence of magnesium and calcium, it associates with both the granule and membrane fractions, suggesting a role for grancalcin in granule-membrane fusion and degranulation. [provided by RefSeq]

Other Designations

grancalcin, EF-hand calcium-binding protein|grancalcin, penta-EF-hand protein

Disease

- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)