Sm Size

UGCG monoclonal antibody (MP03), clone 1E5 (PE)

Catalog # H00007357-MP03 Size 3 x 50 ug, 50 ug

Specification

Product Description	PE conjugated mouse monoclonal antibody raised against a partial recombinant UGCG.
Immunogen	UGCG (NP_003349, 33 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TRLHLNKKATDKQPYSKLPGVSLLKPLKGVDPNLINNLETFFELDYPKYEVLLCVQDHDDPAIDVC KKLLGKYPNVDARLFIGGKKVGINPKINNLMPG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (98)
Conjugation	PE
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at 4°C.

Applications

- Flow Cytometry
- Immunofluorescence

  Protocol Download
- Western Blot

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Gene Info — UGCG

Entrez GeneID	7357
GeneBank Accession#	NM_003358
Protein Accession#	NP_003349
Gene Name	UGCG
Gene Alias	GCS
Gene Description	UDP-glucose ceramide glucosyltransferase
Omim ID	602874
Gene Ontology	Hyperlink
Gene Summary	Glycosphingolipids (GSLs) are a group of membrane components that contain lipid and sugar mo ieties. They are present in essentially all animal cells and are believed to have important roles in v arious cellular processes. UDP-glucose ceramide glucosyltransferase catalyzes the first glycosyla tion step in glycosphingolipid biosynthesis. The product, glucosylceramide, is the core structure of more than 300 GSLs. UGCG is widely expressed and transciption is upregulated during keratinoc yte differentiation. [provided by RefSeq
Other Designations	OTTHUMP00000021925|ceramide glucosyltransferase|glucosylceramide synthase

Pathway

- Metabolic pathways
- Sphingolipid metabolism

Disease

- Gaucher disease

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