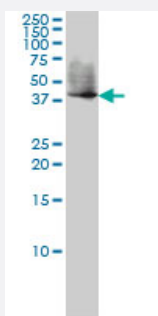


EDG1 monoclonal antibody (M01), clone 2E12

Catalog # H00001901-M01

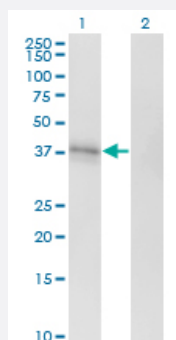
Size 100 ug

Applications



Western Blot (Cell lysate)

EDG1 monoclonal antibody (M01), clone 2E12 Western Blot analysis of EDG1 expression in Jurkat (Cat # L017V1).

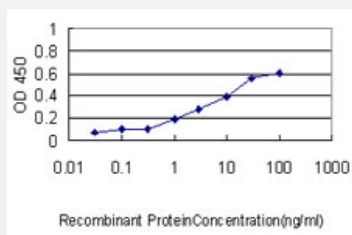


Western Blot (Transfected lysate)

Western Blot analysis of EDG1 expression in transfected 293T cell line by EDG1 monoclonal antibody (M01), clone 2E12.

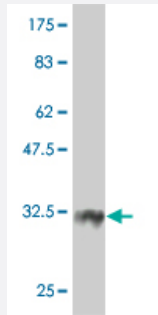
Lane 1: EDG1 transfected lysate(42.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EDG1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (30.91 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant EDG1.
Immunogen	EDG1 (AAH18650, 1 a.a. ~ 47 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGPTSVPLVKAHRSSVSDYVNYDIIVRHNYTGKLNISADKENSIKL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (69)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (30.91 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 (Cell lysate)

EDG1 monoclonal antibody (M01), clone 2E12 Western Blot analysis of EDG1 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of EDG1 expression in transfected 293T cell line by EDG1 monoclonal antibody (M01), clone 2E12.

Lane 1: EDG1 transfected lysate(42.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EDG1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — S1PR1

Entrez GeneID [1901](#)

GeneBank Accession# [BC018650](#)

Protein Accession# [AAH18650](#)

Gene Name S1PR1

Gene Alias CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, FLJ58121, S1P1

Gene Description sphingosine-1-phosphate receptor 1

Omim ID [601974](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. [provided by RefSeq]

Other Designations G protein-coupled sphingolipid receptor[OTTHUMP00000012525]endothelial differentiation, sphingolipid G-protein-coupled receptor, 1|sphingosine 1-phosphate receptor EDG1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Stroke](#)