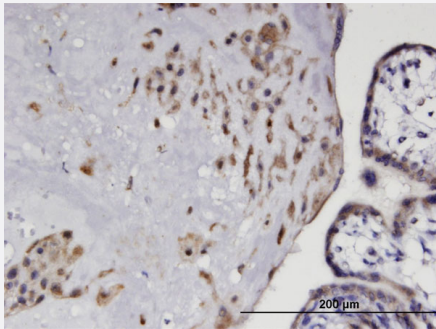


EDG3 monoclonal antibody (M02), clone 2G11

Catalog # H00001903-M02

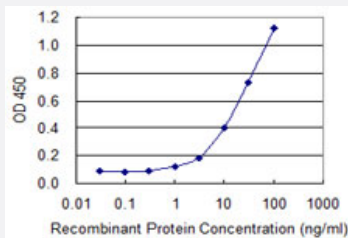
Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to S1PR3 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged S1PR3 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant EDG3.
Immunogen	EDG3 (NP_005217.2, 302 a.a. ~ 378 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SKEMRRAFFRLVCNCLVRGRGARASPIQPALDPSRSKSSSSNNSSHSPKVKEDLPHTAPSSCIM DKNAALQNGIFCN
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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to S1PR3 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged S1PR3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — S1PR3

Entrez GeneID	1903
GeneBank Accession#	NM_005226
Protein Accession#	NP_005217.2
Gene Name	S1PR3
Gene Alias	EDG-3, EDG3, FLJ37523, FLJ93220, LPB3, MGC71696, S1P3
Gene Description	sphingosine-1-phosphate receptor 3
Omim ID	601965
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided by RefSeq]

Other Designations

G protein-coupled receptor, endothelial differentiation gene-3|OTTHUMP00000021612|S1P receptor EDG3|endothelial differentiation, sphingolipid G-protein-coupled receptor, 3|sphingosine 1-phosphate receptor 3

Publication Reference

- [S1PR3 is essential for phosphorylated fingolimod to protect astrocytes against oxygen-glucose deprivation-induced neuroinflammation via inhibiting TLR2/4-NFκB signalling.](#)

Dong YF, Guo RB, Ji J, Cao LL, Zhang L, Chen ZZ, Huang JY, Wu J, Lu J, Sun XL.

Journal of Cellular and Molecular Medicine 2018 Jun; 22(6):3159.

Application: WB, Rat, Rat astrocytes

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)