

Mouse Anti-human Sphingosine 1-phosphate Receptor 1, clone #: E1-49 Murine Monoclonal Antibody

Catalog Number:	PT-mAb-E1-49
Quantity:	100ug
Concentration:	1mg/mL
Specificity:	Human
Immunogen:	Recombinant Human Sphingosine 1-phosphate Receptor 1
Isotype:	IgG _{2b}
Supplies As:	Protein A purified; 50% Glycerol
Storage:	-20 °C

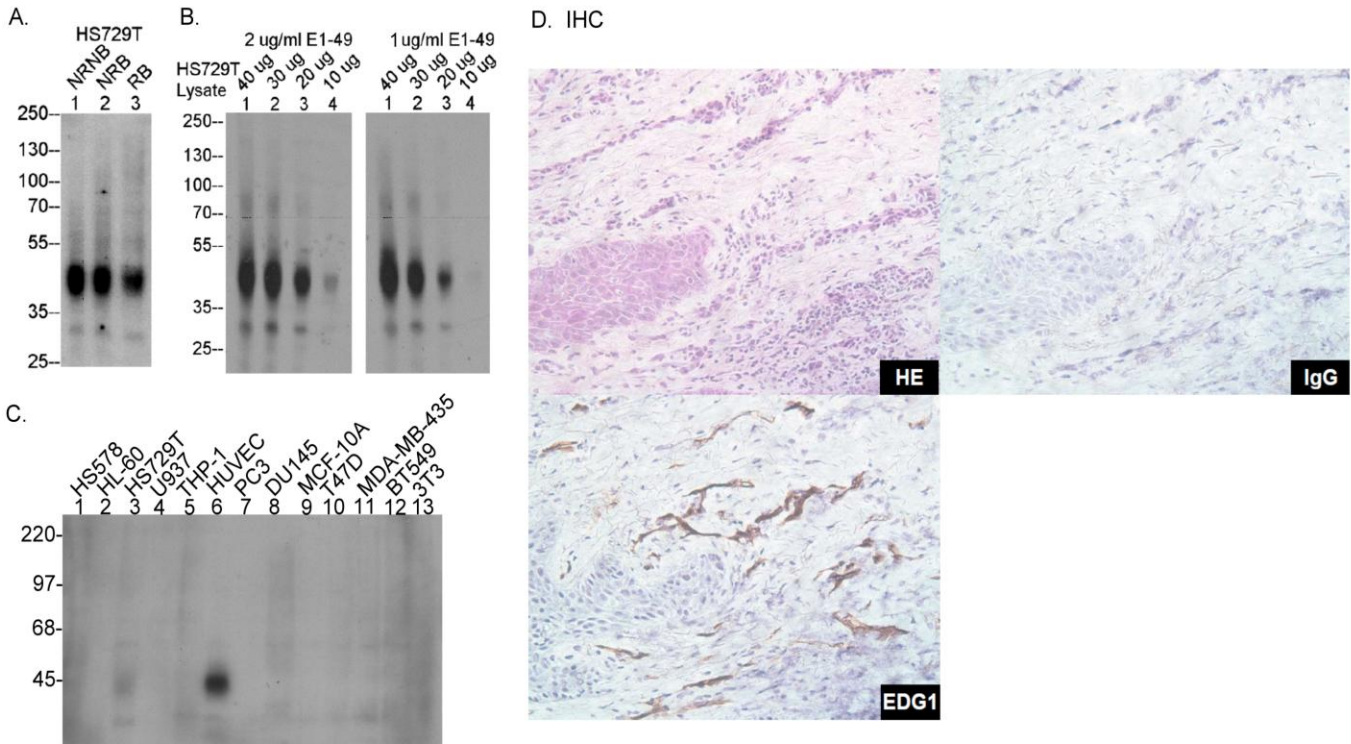
Applications and Suggested Dilutions*:

Western Blot: 1 µg/ml;
Immunofluorescent Staining: 2 µg/ml;
Immunohistochemistry: 5 µg/ml

*Specific dilutions and blocking conditions should be determined by the investigator.

Reference:

1. Estrada R, Wang L, Jala VR, Lee JF, Lin CY, Gray RD, Haribabu B and Lee MJ. Ligand-induced nuclear translocation of S1P(1) receptors mediates Cyr61 and CTGF transcription in endothelial cells. *Histochem Cell Biol* 131: 239-249, 2009.
2. Estrada R, Zeng Q, Lu H, Sarojini H, Lee JF, Mathis SP, Sanchez T, Wang E, Kontos CD, Lin CY, Hla T, Haribabu B and Lee MJ. Up-regulating sphingosine 1-phosphate receptor-2 signaling impairs chemotactic, wound-healing, and morphogenetic responses in senescent endothelial cells. *J Biol Chem* 283: 30363-30375, 2008.



- A. The S1PR1 mAb E1-49 can be used for WB under reducing and boiled conditions, but the best result under non-reducing/non-boiled conditions.
- B. S1PR1 can be detected with as few as 10 ug proteins of HS729T cell lysate using the E1-49 mAb at 1 or 2ug/ml
- C. A panel of cell lines, as indicated, by immunoblot using the E1-49 mAb. HUVEC expresses the highest.
- D. S1PR1 can be detected in endothelial cells by IHC staining using the E1-49 mAb (lower panel, EDG1).