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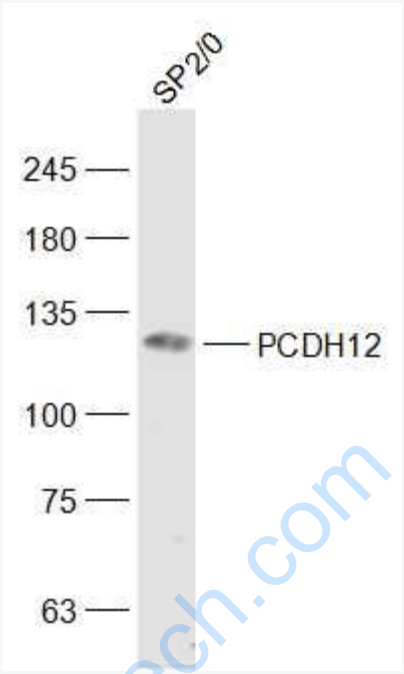
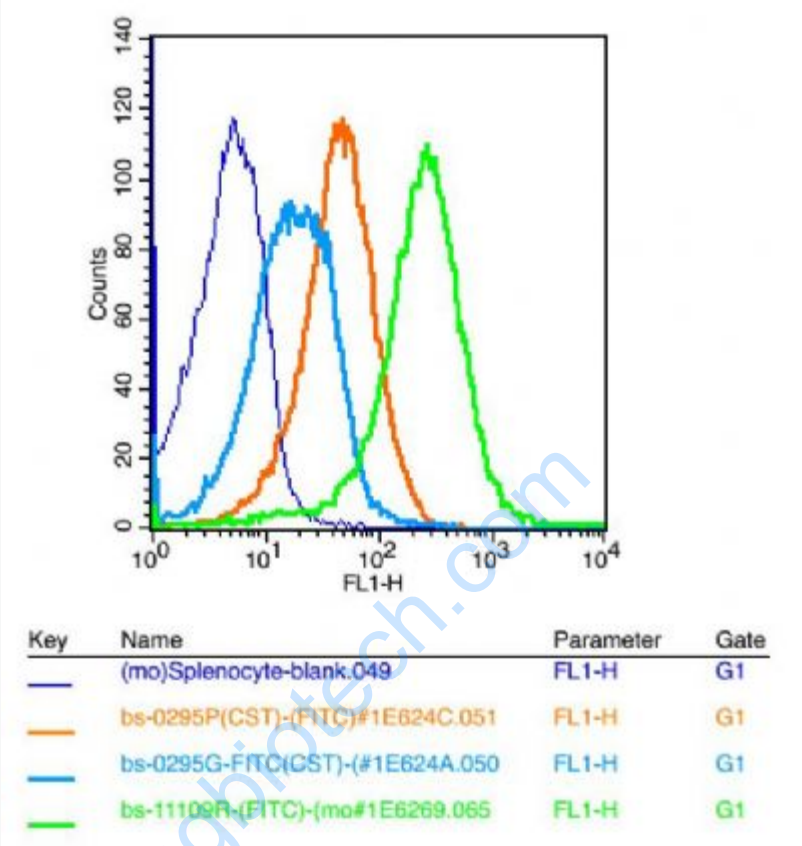
Rabbit Anti-PCDH12 antibody

SL11109R

Product Name:	PCDH12
Chinese Name:	原钙粘附蛋白12/血管内皮钙粘蛋白2抗体
Alias:	PCD12_HUMAN; Pcdh12; Protocadherin 12; Protocadherin-12; Vascular cadherin 2; Vascular cadherin-2; Vascular endothelial cadherin 2; Vascular endothelial cadherin-2; VE cadherin 2; VE-cad-2; VE-cadherin-2; VECAD2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	126kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDH12:401-500/1184<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing 6 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The gene localizes to the region on chromosome 5 where the protocadherin gene clusters reside. The exon organization of this transcript is similar to

	that of the gene cluster transcripts, notably the first large exon, but no significant sequence homology exists. The function of this cellular adhesion protein is undetermined but mouse protocadherin 12 does not bind catenins and appears to have no affect on cell migration or growth. **Function:** Cellular adhesion molecule that may play an important role in cell-cell interactions at interendothelial junctions. Promotes homotypic calcium dependent aggregation and adhesion and clusters at intercellular junctions. Unable to bind to catenins, weakly associates with the cytoskeleton. **Subcellular Location:** Cell membrane. Cell junction. **Tissue Specificity:** Expressed in highly vascularized tissues including the heart and placenta, but most tissues contain a low level of expression. Prominent expression in the spleen. **Similarity:** Contains 6 cadherin domains. **SWISS:** Q9NPG4 **Gene ID:** 51294 **Database links:** Entrez Gene: 51294Human Entrez Gene: 116808Rat Omim: 605622Human SwissProt: Q9NPG4Human Unigene: 439474Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: SP2/0(Mouse) Cell Lysate at 30 ug Primary: Anti-PCDH12 (SL11109R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 126 kD Observed band size: 126 kD



Positive control: (mo)Splenocytes(2% Paraformaldehyde-fixed)

Isotype Control Antibody: Rabbit IgG; Dilution: 1µg in 100 µl 1 X PBS containing 0.5% BSA

Secondary Antibody: Goat anti-rabbit IgG-FITC;Dilution: 1:200 in 1 X PBS containing 0.5% BSA

Primary Antibody : Rabbit Anti-CD28 antibody (SL11109R); Dilution: 1µg in 100 µl 1X PBS containing 0.5% BSA