

Anti-VSIG4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Cow)
Molecular Weight:	Theoretical: 33 kDa. Actual: 33 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: Rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-VSIG4 Polyclonal Antibody, Unconjugated (TMAB-01974) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

2. Sample:

Lung (Mouse) lysate at 30 µg

Placenta (Mouse) Lysate at 30 µg

Primary: Anti-VSIG4 (TMAB-01974) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kDa

Verified Activity: Observed band size: 33 kDa

3. Sample:

Placenta (Mouse) Lysate at 40 µg

Primary: Anti-VSIG4 (TMAB-01974) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa

4. Sample:

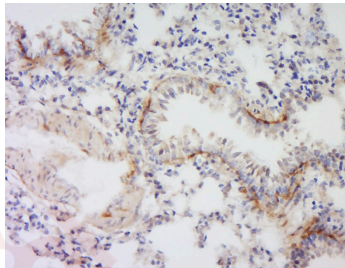
Lung (Mouse) Lysate at 40 µg

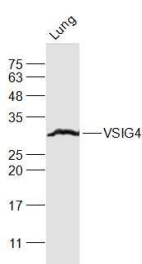
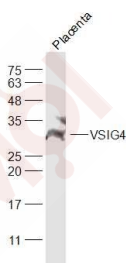
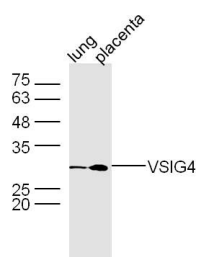
Primary: Anti-VSIG4 (TMAB-01974) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human VSIG4

Antigen Species: Human

Gene ID: 11326

Uniprot ID: Q9Y279

Synonyms: V-set and immunoglobulin domain containing 4;CRIg;Z39IG

Biology Area: Receptors,Classical Pathway,Macrophage / Inflamm.

Research Background

T cell activation by APCs is positively and negatively regulated by members of the B7 family. We have identified a previously unknown function for B7 family related protein V-set and Ig domain containing 4 (VSIG4). Administration to mice of soluble VSIG4-Ig fusion molecules reduced the induction of T cell responses in vivo and inhibited the production of Th cell dependent IgG responses. Unlike that of B7 family members, surface expression of VSIG4 was restricted to resting tissue macrophages and absent upon activation by LPS or in autoimmune inflammatory foci. The specific expression of VSIG4 on resting macrophages in tissue suggests that this inhibitory ligand may be important for the maintenance of T cell unresponsiveness in healthy tissues.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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