

**bs-0479R****[ Primary Antibody ]**

**Bioss**  
ANTIBODIES

www.bioss.com.cn

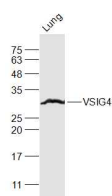
sales@bioss.com.cn

techsupport@bioss.com.cn

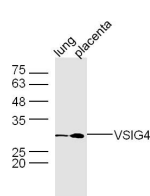
400-901-9800

**VSIG4 Rabbit pAb****DATASHEET**

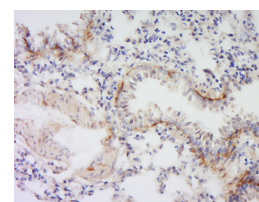
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 11326 <b>Target:</b> VSIG4 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human VSIG4: 81-160/399. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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 familyrelated protein V-set and Ig domaincontaining 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 celldependent 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.	<b>Isotype:</b> IgG <b>SWISS:</b> Q9Y279	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Mouse, Rat (predicted: Human, Cow, Dog) <b>Predicted MW.:</b> 33 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
--	---	--

**VALIDATION IMAGES**

Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-VSIG4 (bs-0479R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kD  
Observed band size: 33 kD



Sample: Lung(Mouse)Lysate at 30 ug Placenta(Mouse) Lysate at 30 ug Primary: Anti-VSIG4 (bs-0479R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kD Observed band size: 33 kD



Tissue/cell: Rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti- VSIG4 Polyclonal Antibody, Unconjugated(bs-0479R) 1:200, overnight at 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**SELECTED CITATIONS**

- **[IF=5.7]** Zhuoqi Li. et al.A novel classification method for LUAD that guides personalized immunotherapy on the basis of the cross-talk of coagulation- and macrophage-related genes.frontiers in immunology.2025 Feb 13;16:1518102. IHC ;Human. 40018029
- **[IF=4.123]** Shi CX et al. Extracellular Histone H3 Induces Pyroptosis During Sepsis and May Act Through NOD2 and

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

VSIG4/NLRP3 Pathways. Front Cell Infect Microbiol. 2020 May 5;10:196. WB ;Mouse. 32432055

- **[IF=3.2]** Fu Tianyi. et al. Single-cell transcriptomic analysis of decidual immune cell landscape in the occurrence of adverse pregnancy outcomes induced by *Toxoplasma gondii* infection. PARASITE VECTOR. 2024 Dec;17(1):1-23 WB,IF ;Human. 38730500