

bsm-52248R**[Primary Antibody]****BioSS**
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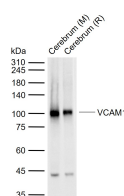
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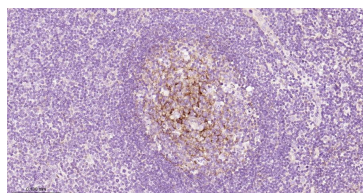
400-901-9800

VCAM1 Recombinant Rabbit mAb**— DATASHEET —**

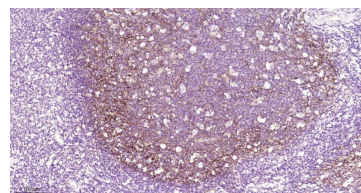
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:200-1000) IHC-F (1:200-1000) IF (1:200-1000) Reactivity: Human, Mouse, Rat Predicted MW.: 81 kDa Observed MW.: 100 kDa Subcellular Location: Cell membrane
Clonality: Recombinant	CloneNo.: 24D1	
GeneID: 7412	SWISS: P19320	
Target: VCAM1		
Immunogen: KLH conjugated synthetic peptide derived from human VCAM-1: 651-739/739.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 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.		
Background: VCAM1 is important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the integrins alpha4 beta1 (beta 1 integrin VLA4) and alpha4 beta7 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. VCAM1 is also expressed by several non endothelial cell types including some macrophages, follicular dendritic cells and bone marrow, stromal cells.		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebrum tissue lysates
 Lane 2: Rat Cerebrum tissue lysates Primary:
 Anti-VCAM1 (bsm-52248R) at 1/2000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 81 kDa
 Observed band size: 100 kDa



Paraformaldehyde-fixed, paraffin embedded
 Human Tonsil; Antigen retrieval by boiling in
 sodium citrate buffer (pH6.0) for 15 min;
 Antibody incubation with VCAM1 Monoclonal
 Antibody, Unconjugated(bsm-52248R) at 1:200
 overnight at 4°C, followed by conjugation to the
 bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded
 Human Chronic tonsillitis; Antigen retrieval by
 boiling in sodium citrate buffer (pH6.0) for 15
 min; Antibody incubation with VCAM1
 Monoclonal Antibody,
 Unconjugated(bsm-52248R) at 1:200 overnight
 at 4°C, followed by conjugation to the bs-0295G-
 HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=5.5]** Chengjie Wu. et al. Inhibition of HDAC6 promotes microvascular endothelial cells to phagocytize myelin debris and reduces inflammatory response to accelerate the repair of spinal cord injury. CNS NEUROSCI THER. 2023 Aug;; IF ;Mouse. 37641882
- **[IF=4.8]** Yi-Fan Wang. et al. Renal tubular epithelial cell related partial epithelial-mesenchymal transition in AA I induced renal fibrosis via Wnt7b/β-catenin signaling. FRONT PHARMACOL. 2025 May;16: IHC ;Mouse. 40432885
- **[IF=3]** Xiaoyue Guan. et al. The possible role of Gremlin1 in inflammatory apical periodontitis. ARCH ORAL BIOL. 2023 Nov;;105848 IF ;Rat. 37977053

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