

bs-1618R**[Primary Antibody]****CD146 Rabbit pAb****Bioss**
ANTIBODIES

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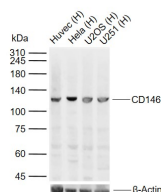
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— DATASHEET —

| | | |
|--|----------------------|---|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:500-2000) |
| Clonality: Polyclonal | | Reactivity: Human, Rat (predicted: Mouse, Cow, Dog, Horse) |
| GeneID: 4162 | SWISS: P43121 | Predicted MW.: 71 kDa |
| Target: CD146 | | Subcellular Location: Cell membrane |
| Immunogen: KLH conjugated synthetic peptide derived from human CD146: 201-300/646. < Extracellular > | | |
| 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: MCAM (MUC18 antigen, CD146), a member of the immunoglobulin superfamily, is an intrinsic membrane glycoprotein of 110-120 kDa found on the surface of endothelial cells, bone marrow fibroblasts and various melanomas. MCAM (Melanoma adhesion molecule) has been used as a marker of tumor progression in human melanoma because expression in those tumors correlates strongly with poor prognosis and the development of metastatic disease. In addition, a number of human T, B and myeloid leukemic cell lines seem to express MCAM. The close structural relationship with N-CAM and related molecules suggests that MCAM may be also a developmentally regulated cell adhesion. | | |

— VALIDATION IMAGES —

Sample: Lane 1: Human Huvec cell lysates
Lane 2: Human Hela cell lysates
Lane 3: Human U2OS cell lysates
Lane 4: Human U251 cell lysates
Primary: Anti-CD146 (bs-1618R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 71 kDa
Observed band size: 115 kDa

— SELECTED CITATIONS —

- **[IF=9.933]** Tino Stauber. et al. Extrinsic Macrophages Protect While Tendon Progenitors Degrade: Insights from a Tissue Engineered Model of Tendon Compartmental Crosstalk. 2021 Sep 08 IF ;mouse. 34494401
- **[IF=6.4]** Stauber, Tino. et al. IL-6 signaling exacerbates hallmarks of chronic tendon disease by stimulating reparative fibroblasts. ELIFE. 2025 Feb 7;12:RP87092. IF ;Mouse. 39918402
- **[IF=2.6]** Zhou Guanglei. et al. Cytotoxicity and cell migration evaluation of a strontium silicate-based root canal sealer on stem cells from rat apical papilla: an in vitro study. BMC ORAL HEALTH. 2024 Dec;24(1):1-10 IF ;Rat. 39215266
- **[IF=1.89]** Hu, Jianguo, Biao Zeng, and Xingwei Jiang. "The expression of marker for endometrial stem cell and fibrosis was increased in intrauterine adhesions." International journal of clinical and experimental pathology 8.2 (2015): 1525.

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

IHC ;="Mouse". 25973037

- **[IF=1.257]** Hai Zhao. et al. Oxidative stress caused by a dysregulated Wnt/ β -catenin signalling pathway is involved in abnormal placenta formation in pregnant mice with chronic fatigue syndrome. Zygote. 2020 Oct;;1-8 WB,IHC ;Mouse. 33054899