**bs-5472R** **[ Primary Antibody ]**

# phospho-MCAM (Tyr641) Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 4162 **SWISS:** P43121

**Target:** MCAM (Tyr641)

**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human MCAM around the phosphorylation site of Tyr641: EK(p-Y)ID. < Cytoplasmic >

**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 immuoglobulin 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 metastic 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.

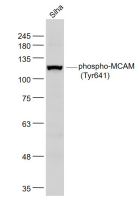
**Applications:** **WB** (1:500-2000)

**Reactivity:** Human, Mouse, Rat

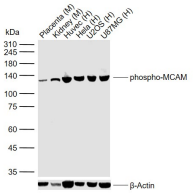
**Predicted MW.:** 71 kDa

**Subcellular Location:** Cell membrane

## VALIDATION IMAGES




Sample: Siha(Human) Cell Lysate at 30 ug Primary: Anti- phospho-MCAM (Tyr641) (bs-5472R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 71 kD Observed band size: 118 kD




Sample: Lane 1: Mouse Placenta tissue lysates Lane 2: Mouse Kidney tissue lysates Lane 3: Human Huvec cell lysates Lane 4: Human Hela cell lysates Lane 5: Human U2OS cell lysates Lane 6: Human U87MG cell lysates Primary: Anti-phospho-MCAM (Tyr641) (bs-5472R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 71 kDa Observed band size: 117 kDa