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## 36-1417: Monoclonal Antibody to MUC18 / CD146 / MCAM (Melanoma Cell Adhesion Molecule) (Clone: SPM620)

Clonality: Monoclonal SPM620 **Clone Name:** Application: FACS, IF, IHC Reactivity: Human Gene: **MCAM** Gene ID: 4162 **Uniprot ID:** P43121 Format: Purified **Alternative Name:** MCAM.MUC18

Immunogen Information: Recombinant human MCAM protein

Mouse IgG1, kappa

## **Description**

Isotype:

The human Mel-CAM gene maps to chromosome 11q23 and encodes a trans-membrane glycoprotein, also designated MCAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca2+-independent cell adhesion molecule. Mel-CAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the neuroectodermal lineage, but not normal melanocytes. Mel-CAM is found on 80% of advanced primary human melanomas and correlates well with development of metastatic disease.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

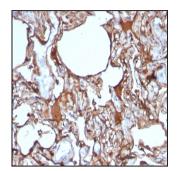
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 8.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Monoclonal Antibody (SPM620)