

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-1419: Monoclonal Antibody to MUC18 / CD146 / MCAM (Melanoma Cell Adhesion Molecule) (Clone: MUC18/1130)

Clonality: Monoclonal **Clone Name:** MUC18/1130 Application: FACS, IF, IHC Reactivity: Human Gene: **MCAM** Gene ID: 4162 **Uniprot ID:** P43121 Format: Purified **Alternative Name:** MCAM.MUC18

Immunogen Information: Recombinant human MUC18 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: $100 \mu g$

Purification: Affinity Chromatography

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

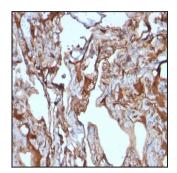
toxic.

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°C followed by cooling at RT for 20 minutes)

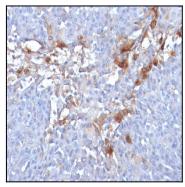


Formalin-fixed, paraffin-embedded human Melanoma stained with MUC18 Monoclonal Antibody (MUC18/1130)

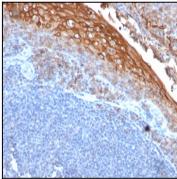


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Formalin-fixed, paraffin-embedded human Melanoma stained with MUC18 Monoclonal Antibody (MUC18/1130) $\,$



Formalin-fixed, paraffin-embedded human Tonsil stained with MUC18 Monoclonal Antibody (MUC18/1130)