Product datasheet

Anti-CD146 antibody [OJ79c MUC 18] ab10816

1 References

Overview

Product name  Anti-CD146 antibody [OJ79c MUC 18]
Description  Mouse monoclonal [OJ79c MUC 18] to CD146
Host species  Mouse
Tested applications  Suitable for: IHC-Fr, Flow Cyt, ICC/IF
Species reactivity  Reacts with: Human
Immunogen  Recombinant MUC18(D1-D5)Fc protein

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer  Constituent: PBS
Purity  Protein A purified
Clonality  Monoclonal
Clone number  OJ79c MUC 18
Myeloma  Sp2/0-Ag14
Isotype  IgG1

Applications

Our Abpromise guarantee covers the use of ab10816 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
<th>Abreviews</th>
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<td>IHC-Fr</td>
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<td>Use at an assay dependent concentration.</td>
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Function
Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2, and a transient increase in the intracellular calcium concentration.

Tissue specificity
 Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis.

Sequence similarities
Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

Cellular localization
Membrane.

Target

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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