

IHC*easy* CD146/MCAM Ready-To-Use IHC Kit

Catalog Number: **KHC2274**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Mouse Monoclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

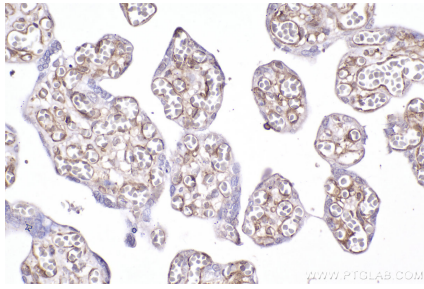
Background

CD146, also known as melanoma cell adhesion molecule (MCAM) or MUC18, originally identified as a biomarker of melanoma progression, is a transmembrane glycoprotein of 113-130 kDa, belonging to the immunoglobulin (Ig) superfamily. Structurally, it consists of five Ig domains, a transmembrane domain, and a cytoplasmic region. In normal adult tissue, CD146 is primarily expressed by vascular endothelium and smooth muscle. CD146 is a key cell adhesion protein in vascular endothelial cell activity and angiogenesis, and has been used as marker of circulating endothelium cells (CECs). In addition to the membrane-anchored form of CD146, a soluble form of CD146 has also been found in human plasma and in the supernatant of cultured human endothelial cells.

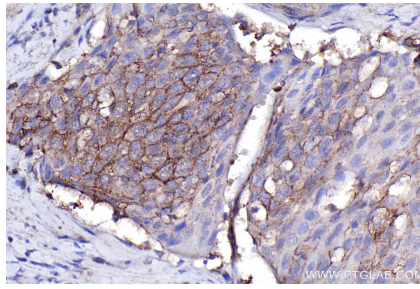
Synonyms

CD146, S-endo 1 endothelial-associated antigen, MUC18, Melanoma-associated antigen MUC18, Melanoma-associated antigen A32

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2274 (CD146/MCAM IHC Kit).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC2274 (CD146/MCAM IHC Kit).