

**ImuGeX GmbH**

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Product OverView	
Product name	Anti-MUC18 / CD146 Antibody
Catalog No	IGX-59258
Supplier's Catalog No	IGX-59258
Supplier	ImuGeX
Host species	Rabbit
Species reactivity	Human
Applications	ELISA, WB, IHC, IF, Flow cyto
Recommended dilutions	WB: 1:500-1:5000, IHC: 1:50-1:500, IF: 1:30-1:200
Molecular weight	Predicted band size: 72 KDa Observed band size: 110 KDa
Conjugate	Unconjugated
Immunogen	A synthesized peptide
Specificity	This antibody detects total endogenous levels of CD146 protein

Product Properties	
Storage	Store at +4°C for short term (1 week), for long term aliquote and store at -20°C or -80°C. Avoid repeated freeze and thaw cycles, with each freeze and thaw cycle an antibody can lose half of its binding activity.
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone ID	N/A
Concentration	Concentration can vary between different batches.
Storage buffer	Phosphate-buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Formulation	Liquid
Purification	Affinity Purified
Handling	This product contains sodium azide (NaN ₃) as preservative, please take appropriate care when handling this product.
Reactivity life	12 months when stored properly according to instructions (provided antibody remains sterile).

Target Gene	
Description	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/FAK1, and a transient increase in the intracellular calcium concentration.
Other names	Cell surface glycoprotein MUC18, Cell surface glycoprotein P1H12, Melanoma cell adhesion molecule, Melanoma-associated antigen A32, Melanoma-associated antigen MUC18, S-endo 1 endothelial-associated antigen, CD146, MCAM, MUC18
Cellular localization	Membrane
Research area	Immunology
Note	This product is for research purpose only, not for use in diagnostics or as therapeutics.
Uniprot ID	P43121

Product Citations
