

Product datasheet for **LY300237**

CD146 (MCAM) Human Knockdown Lysate

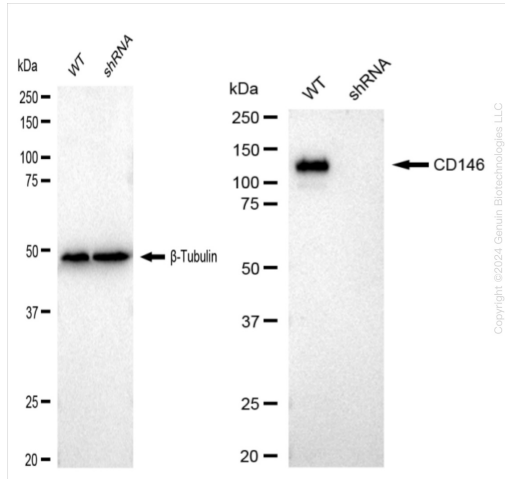
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated MCAM Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	MCAM; Melanoma Cell Adhesion Molecule; MUC18; METCAM; HEMCAM; CD146; S-Endo 1 Endothelial-Associated Antigen; Melanoma-Associated Antigen MUC18; Cell Surface Glycoprotein MUC18; Cell Surface Glycoprotein P1H12; Melanoma-Associated Antigen A32; Gicerin; MelCAM; Melanoma Adhesion Molecule; CD146 Antigen; MELCAM
Predicted MW:	72 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug MCAM KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	4162
UniProt ID:	P43121
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

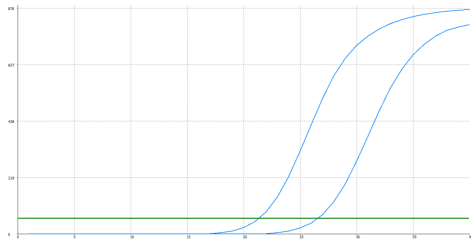


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Product images:



Western blotting analysis. MCAM protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61487, 1:5,000) against MCAM and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).



Genotype	Ct Value
Wild-Type	21.36
Knock-Down	26.43
$\Delta Ct (Ct_{KD} - Ct_{WT})$	5.07
% mRNA Reduction	↓ 97%

RT-qPCR analysis. HeLa cells were infected with MCAM-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.