

Mouse anti-Human, Pig CD106 Monoclonal Antibody | anti-CD106 antibody

anti-human CD106-R-PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78182	Mouse	Human, Pig	Immunohistochemistry, ELISA, Western Blot, Flow Cytometry, Functional Assay

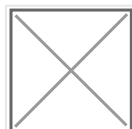
PRODUCT SYNONYMS

CD106; Monoclonal Antibody; anti-human CD106-R-PE; Monoclonal anti-human CD106(VCAM-1)/R-PE; anti-CD106 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1.G11B1
Applicable Applications for anti-CD106 antibody	Blocking, IHC (Immunohistochemistry), ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry)
Performance	Cultured human umbilical cord vein endothelial cells were stimulated 4 hours with 10 ng/ml Phorbol 12-Myristate 13-Acetate. Five x 10 ⁵ cells per tube were harvested, washed and incubated 45 minutes on ice with 80 ul of anti-CD106/R-PE at a 1:50 dilution (10ug/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.36 log ₁₀ fluorescent units when compared to a Mouse IgG1/R-PE negative control at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD106 antibody.
Conjugation	PE
Production	Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml with an A ₅₆₅ /A ₂₈₀ ratio of 3.53.
Buffer	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN ₃ (as a preservative).
Immunogen	Human endothelial cells
Preparation and Storage	Store at 2 - 5 degree C. Do not freeze! Protect from light. Product should retain activity for at least 12 months after shipping date when stored as recommended.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD106 antibody	Information: Human CD106 is an endothelial adhesion molecule that binds to alpha 4 beta 1 & alpha 4 beta 7 integrins (VLA-4) and promotes adhesion of lymphocytes, monocytes, eosinophils and basophils. CD106 is also found on follicular dendritic cells, interdigitating reticulum cells and Kupffer cells. Antibody 1.G11B1 recognizes the VCAM-1 molecule (CD106) and blocks leukocyte adhesion.
References	M.H. Thornhill, D.O. Haskard, (1991) J Immunol 146: 592-598. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1764-1767. M. Nagata, et al, (1995) J Immunol 155: 2194-2202. H.E. Chuluyan, et al, (1995) J Immunol 155: 3135-314.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd106-antibody-clone-1-g11b1-immunohistochemistry-western-blot-flow-cytometry-elisa/78182>