



CD106 Antibody [STA] (PE)

CATALOG NUMBER: 76-883

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The STA monoclonal antibody specifically reacts with human CD106, a 110 kDA glycoprotein also named Vascular Cell Adhesion Molecule-1 (VCAM-1) and INCAM-110.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
CONCENTRATION:	5 uL (0.125 ug) / test
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	END, HHT1, ORW1, ENG
OFFICIAL SYMBOL:	ENG
GENE ID:	2022

Background

BACKGROUND:	The STA monoclonal antibody specifically reacts with human CD106, a 110 kDA glycoprotein also named Vascular Cell Adhesion Molecule-1 (VCAM-1) and INCAM-110. Its expression is induced by inflammation stimuli and cytokines and it is found mainly on activated vascular endothelium. CD106 is also found on subsets of macrophages, stromal cells, dendritic cells, and myeloid lineage cells. The integrins that bind CD106 are CD49d/CD29 and LPAM-1, and it is involved in cell adhesion, transmigration and T cell proliferation.
REFERENCES:	<p>1) Elshal, M. F., Khan, S. S., Takahashi, Y., Solomon, M. A., McCoy, J. P. (2005). CD146 (Mel-CAM), an adhesion marker of endothelial cells, is a novel marker of lymphocyte subset activation in normal peripheral blood. <i>Blood</i>, 106(8), 2923-2924.</p> <p>2) Shih, I. M. (1999). The role of CD146 (Mel CAM) in biology and pathology. <i>The Journal of pathology</i>, 189(1), 4-11.</p> <p>3) Solovey, A. N., Gui, L., Chang, L., Enenstein, J., Browne, P. V., Hebbel, R. P. (2001). Identification and functional assessment of endothelial P1H12. <i>Journal of Laboratory and Clinical Medicine</i>, 138(5), 322-331.</p>

