



CD105 Antibody [MJ7/18] (PE)

CATALOG NUMBER: 76-830

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The MJ7/18 monoclonal antibody specifically reacts with mouse CD105 (Endoglin), a 90kDA homodimeric glycoprotein expressed on vascular endothelial cells.
HOST SPECIES:	Rat

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:	0.2 mg/mL
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:	Rat IgG2a, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	Endo, CD105, AI528660, AI662476, S-endoglin, Eng
OFFICIAL SYMBOL:	Eng
GENE ID:	13805

Background

BACKGROUND:	The MJ7/18 monoclonal antibody specifically reacts with mouse CD105 (Endoglin), a 90kDA homodimeric glycoprotein expressed on vascular endothelial cells. CD105 is a marker for tumor angiogenesis research by identifying proliferating endothelium. It is also suggested to be involved in embryonic angiogenesis and cellular adhesion.
REFERENCES:	<p>1) Mrquez, C., Trigueros, C., Franco, J. M., Ramiro, A. R., Carrasco, Y. R., Lpez-Botet, M., Toribio, M. L. (1998). Identification of a common developmental pathway for thymic natural killer cells and dendritic cells. <i>Blood</i>, 91(8), 2760-2771.</p> <p>2) Cosmi, L., De Palma, R., Santarlasci, V., Maggi, L., Capone, M., Frosali, F., ... Annunziato, F. (2008). Human interleukin 17producing cells originate from a CD161+ CD4+ T cell precursor. <i>The Journal of experimental medicine</i>, 205(8), 1903-1916.</p> <p>3) Exley, M., Porcelli, S., Furman, M., Garcia, J., Balk, S. (1998). CD161 (NKR-P1A) costimulation of CD1d-dependent activation of human T cells expressing invariant Valpha 24Jalpha Q T cell receptor alpha chains. <i>The Journal of experimental medicine</i>, 188(5), 867-876.</p>

