

30-2351: PE Conjugated, Anti-CD105 Monoclonal Antibody (Clone: MJ7/18)

Clonality :	Monoclonal
Clone Name :	MJ7/18
Application :	FACS
Reactivity :	Mouse
Conjugate :	PE
Gene :	Eng
Gene ID :	13805
Uniprot ID :	Q63961
Alternative Name :	Eng,Edg
Isotype :	Rat IgG2a
Immunogen Information :	Inflamed mouse skin

Description

CD105 (Endoglin) is a homodimeric transmembrane glycoprotein serving in presence of TGFbetaR-2 as a receptor for TGFbeta-1 and TGFbeta-3. CD105 is highly expressed on endothelial cells and promotes angiogenesis during wound healing, infarcts and in a wide range of tumours and its gene expression is stimulated by hypoxia. CD105 prevents apoptosis in hypoxic endothelial cells and also antagonises the inhibitory effects of TGFbeta-1 on vascular endothelial cell growth and migration. Normal cellular levels of CD105 are required for formation of new blood vessels.

Product Info

Amount :	0.1 mg
Content :	0.5 mg/ml, Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

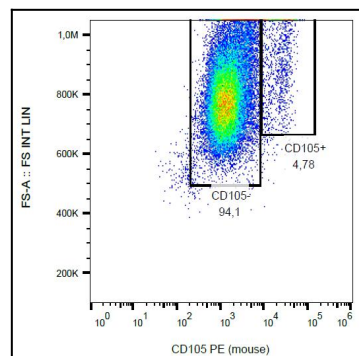


Figure 1: Surface staining of CD105 in murine bone marrow with anti-CD105 (MJ7/18) PE.