

Product datasheet for **DM3612R**

Eng Rat Monoclonal Antibody [Clone ID: MJ7/18]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MJ7/18
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Inflamed mouse skin
Specificity:	This antibody reacts with CD105 (Endoglin), a 90 kDa type I homodimerizing membrane glycoprotein expressed on vascular endothelial cells (small and large vessels), activated monocytes and tissue macrophages, stromal cells of certain tissues including bone marrow, pre-B lymphocytes in fetal marrow and erythroid precursors in fetal and adult bone marrow.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4 Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	endoglin
Database Link:	<u>Entrez Gene 13805 Mouse Q63961</u>



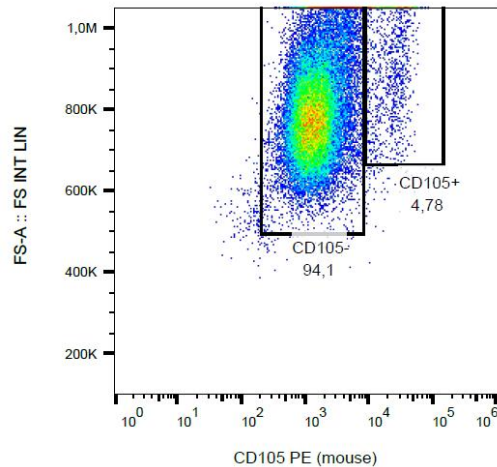
[View online »](#)

Background:

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.

Synonyms:

ENG, END, HHT1, ORW, ORW1

Product images:

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