Rat anti-Mouse CD105/Endoglin Monoclonal Antibody | anti-CD105 antibody

Rat Anti-Mouse CD105/Endoglin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA79106	**Rat**	**Mouse**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD105/Endoglin; Monoclonal Antibody; Rat Anti-Mouse CD105/Endoglin; Anti-mouse CD105/Endoglin-FITC (#MJ7/18); Cell surface MJ7/18 antigen; CD105; Endoglin; anti-CD105 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MJ7/18 / IgG2a
Specificity	The unconjugated antibody will detect native mouse CD105 in Western analysis.
Purity/Purification	Protein G purified
Form/Format	Liquid
Concentration	200 ug/ml (varies by lot)
Sequence Length	653
Applicable Applications for anti-CD105 antibody	FCM/FACS (Flow Cytometry)
Immunogen	murine stromal cell line
Conjugation	FITC
Preparation	Monoclonal antibodies were produced by immunizing rats with inflamed mouse skin.
Buffer/Stabilizer	PBS; 1% BSA
Preservative	0,02% sodium azide
Preparation and Storage	Store protected from light at 2-8 degree C. DO NOT FREEZE!

IMAGES

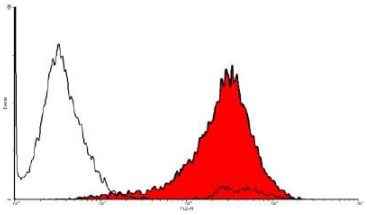

Figure 2: FACS analysis with mouse endothelial cells.

Application Data

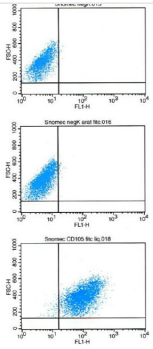

Figure 1: FACS analysis with mouse endothelial cells. Upper panel: no primary antibody; Middle panel: solely conjugated secondary antibody; Lower panel: FITC-conjugated anti-mouse CD105 antibody.

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD105 antibody	The MJ7/18 monoclonal antibody reacts with the mouse CD105 molecule, also known as Endoglin. This 90 kDa disulfide-linked homodimer is expressed by vascular endothelial cells. It is suggested that CD105 functions in adhesion and embryonic angiogenesis.
References	1. Cheifetz et al., J Biol Chem 267:19027, 1992 2. Parker et al., J Bone Miner Res 18:289, 2003 3. Barbara et al., J Biol Chem 274:584, 1999 4. McAllister et al., Nature Genet 8:345, 1994 5. Chen et al., Proc Natl Acad Sci 99:15468, 2002

NCBI AND UNIPROT INFORMATION

NCBI GI #	226437647
NCBI GeneID	13805
NCBI Accession #	NP_031958.2
NCBI GenBank Nucleotide #	NM_007932.2
UniProt Accession #	Q63961; Q61520; Q8K100
Molecular Weight	70,021 Da
NCBI Official Full Name	endoglin isoform 1
NCBI Official Synonym Full Names	endoglin
NCBI Official Symbol	Eng
NCBI Official Synonym Symbols	Endo; CD105; AI528660; AI662476; S-endoglin
NCBI Protein Information	endoglin; transmembrane glycoprotein; cell surface MJ7/18 antigen
UniProt Protein Name	Endoglin
UniProt Gene Name	**Eng**
UniProt Synonym Gene Names	Edg
UniProt Entry Name	EGLN_MOUSE

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/cd105-endoglin-antibody-clone-mj7-18-igg2a-flow-cytometry-elisa/79106