

**MOUSE ANTI-HUMAN ENDOGLIN
ALEXA FLUOR® 488 CONJUGATED
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB2152X	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
CLONE NAME:	P3D1	HOST/ISOTYPE:	Ms IgG _{2a}
ALTERNATE NAMES:	CD105; AncillaryTGF beta Receptor		

BACKGROUND: Human endoglin (ancillaryTGF-beta receptor). Endoglin is a transmembrane glycoprotein expressed by vascular endothelial cells. It functions as an ancillary receptor influencing binding of the Transforming Growth Factor beta (TGF-β) family ligands to signalling receptors. homodimeric integral membrane protein comprised of 95Kd subunits (CD105). CD105 is a component of the TGF-B receptor system and can bind TGF-B1 and TGF-B3 with high affinity but does not bind TGF-B2. CD105 is expressed by vascular endothelial cells and syncytiotrophoblasts of placenta and is weakly expressed by stromalfibroblasts. U937 cells and activated macrophages also expresses CD105. Expression of CD105 is increased on activated endothelium in tissues undergoing angiogenesis, ,such as in tumors, or in cases of wound healing or dermal inflammation.

The epitope of clone P3D1 as well as the epitopes of several other endoglin clones is mapped in the this reference: Puchantes, S et al (1997) Tissue Antigens 50(3):265-76.

SPECIFICITY: Reacts with human endoglin.

APPLICATIONS: Immunocytochemistry: 2 µg/mL
Flow cytometry: 0.2 µg per 1 x 10⁶ cells in 100 µL volume
Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITY: Human. Reactivity with other species is not confirmed.

IMMUNOGEN: Human resting umbilical vein endothelial cells

PRESENTATION: Purified immunoglobulin conjugated to Alexa Fluor® 488. Liquid in PBS containing 1% BSA, 0.05% Tween®-20 and 0.05% sodium azide.

STORAGE/HANDLING: Maintain at 2°-8°C for up to 12 months from date of receipt.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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