

ANTIGENIX AMERICA Inc
1-800-558-1008
PRODUCT INFORMATION SUMMARY

ANTI-ENDOGLIN CD105
(TGF Beta receptor)

PRODUCT NUMBER M700720
PRODUCT NUMBER M700730

Purified 0.1 mg
FITC 100 Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

ENDOGLIN is an endothelial membrane antigen that contains a recognition site for adhesion receptors of the integrin family. The CD105 (ENDOGLIN) antigen is a component of the TGF Beta receptor complex, and it has been shown to bind with high affinity to TGF Beta 1 and TGF Beta 3, but NOT TGF Beta 2. This antigen exists as a disulfide-linked homodimer, with subunits of approx. 95 kDa. Endoglin has been cloned as two distinct isoforms, L and S. The L-Endoglin was shown to be more highly phosphorylated than the S-Endoglin. CD105 is present on endothelial cells of vasculature, and at high density on human umbilical vein endothelial cells, and lower density on acute lymphoblastic and myelocytic leukemia cells.

Additional characterization data for this clone:

Reactive with activated macrophages.

Western blot reveals reactivity with 180 kDa dimer (non-reducing conditions).

Immunoprecipitation has been achieved.

This antibody will NOT block binding of TGF Beta.

Will recognize both isoforms of Endoglin (L and S).

CLONE:

ANTIGENIX AMERICA clone 8E11 purified by gel filtraton.

Immunoglobulin chain composition: Mouse IgM, kappa.

CONJUGATION:

FITC

HANDLING AND STORAGE:

All conjugates are supplied as 1.0 mL of liquid. Fluorochromes should be protected from prolonged exposure to light. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 0.2% gelatin and 0.1% sodium azide. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. All reagents in a liquid state should be stored at 2-8° C when not in use.

PRODUCT USE:

For flow cytometry use 10 uL per test; For immuno-histochemistry, Purified Anti-ENDOGLIN should be diluted, using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

Study of cell adhesion and TGF Beta, immunoprecipitation

Study monocyte differentiation and ENDOGLIN expression on a variety of cell types.

Complement Fixation: This antibody will lyse CD105+ cells in presence of complement.

CAUTION:

Reagents contain sodium azide, a preservative which may react with lead joints in copper drain lines to form explosive compounds. Even though reagents contain minute quantities of sodium azide, drains should be well-flushed with water when reagents are discarded.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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