

PRODUCT INFORMATION SUMMARY

ANTI-ALCAM CD166

MA250020	Purified	0.15	mg
MA250030	FITC	100	Tests
MA250035	FITC	50	Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

Human CD166, the CD6 Receptor, a 105 KDa glycoprotein that is described as the **Activated Lymphocyte Cellular Adhesion Molecule** (ALCAM). This marker is found on activated lymphocytes and also on epithelial cells, endothelial cells, neurons, neural tissue, fibroblasts and many malignant cell lines.

CLONE: ANTIGENIX AMERICA clone 81

Purification : Protein G Chromatography

Immunoglobulin chain composition: Mouse IgG1

Immunogen: Malignant Human B Lymphocyte

CONJUGATION: Fluorescein isothiocyanate;

HANDLING AND STORAGE:

Purified monoclonal antibody is lyophilized in 0.01M PBS, free of both preservatives and extraneous protein to facilitate functional studies or immunoassay. Reconstitute with 0.5 mL of distilled water. Further dilute in PBS or similar buffer containing 0.2% gelatin or BSA (as suitable for application) and add 0.1% sodium azide or other preservative for long-term storage as suitable in particular application, OR small aliquots may be frozen for long-term storage. Avoid repeat freeze-thaw.

Conjugates are provided as 1.0 mL of liquid (100 tests), and 0.5 mL for 50-test package. 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 (FITC conjugate)**; For immuno-histochemistry, purified Anti-ALCAM should be diluted (approx. 2 ug/mL - optimize), using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

Flow cytometry and Immunohistology

Inhibition or functional studies (This antibody **inhibits cellular adhesion**). Recent data also suggests this antibody may stimulate homophilic ALCAM -mediated cell interactions.

Development of ELISA

Studies of activated lymphocytes.

Western blot and Immunoprecipitation have been achieved.

CAUTION:

Reagents may 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 thoroughly flushed with water when reagents are discarded.

REFERENCES:

- 1) Journal Experimental Medicine, V. 181 (1995), pp. 1563-68 and pp. 2213- 20.
- 2) Nelissen J., et al, Experimental Hematology 28 (4), 422-432, 2000.
- 3) Nelissen, J., et al, Molecular Biology of Cell, 11 (6): 2057-2068, 2000.

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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