

ANTIGENIX AMERICA inc.

PRODUCT INFORMATION SUMMARY

ANTI-Mouse CD34

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| RM340020 | Purified | 0.1 mg |
| RM340035 | FITC | 50 tests |
| RM34007 | R-PE | 50 tests |

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The Mouse CD34 antigen is a marker on hematopoietic progenitor cells of myeloid origin. This CD34 antigen is found on subsets of stem cell populations- and this can differ between particular antibodies to CD34.

This monoclonal antibody recognizes an epitope of CD34 antigen, which is **sensitive** to neuraminidase treatment.

CLONE: ANTIGENIX AMERICA clone MEC14
Immunoglobulin chain composition: **RAT** IgG2a

CONJUGATION: Fluorescein isothiocyanate; R-Phycoerythrin.

HANDLING AND STORAGE:

All forms 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, 0.1% BSA 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. Small aliquots of purified (unconjugated only) reagent may be frozen, undiluted, at -20°C. Avoid freeze-thaw cycles.

PRODUCT USE:

Use **10-20uL per test** to stain no more than one million cells.;
For immuno-histochemistry, purified Anti-CD34 should be diluted, using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

- * Studies of myeloid leukemias and progenitor cells.
- * FACS analysis of CD34 bearing cells.
- * Studies of the control mechanisms of hemopoiesis.

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