

## PRODUCT INFORMATION SUMMARY

### ANTI-CD14

Purified	Product Number MO140020	0.1 mg
Phycoerythrin Conjugate	Product Number MO140070	100 tests
FITC Conjugate	Product Number MO140035	50 tests

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

CD14 is a 55 kilodalton surface antigen present on peripheral blood monocytes and approximately 20-30% of granulocytes. CD14+ granulocytes will stain more weakly than monocytes. Monocytic cells, interfollicular dendritic cells and dendritic reticulum cells are stained in sections of lymphoid tissue sections.

**CLONE:** Clone UCHM1 Mouse IgG2a

Clone UCHM1 was produced by hybridization of murine NS-0 myeloma cells and spleen cells from mice immunized with peripheral blood leukocytes derived from a patient with acute myeloblastic leukemia. Purified from murine ascites fluid using ion exchange chromatography.

#### CONJUGATION:

R-phycoerythrin., FITC

#### HANDLING AND STORAGE:

Reagents are supplied in liquid form and should be protected from prolonged exposure to light. This reagent is in a medium containing 0.01M phosphate-buffered saline, 0.2% gelatin and 0.1% sodium azide. 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 immunohistochemistry, use enough diluted reagent to cover the tissue section or cytoprep. Working dilution should be optimized, suggested range is 1:20- 1:80.

**RESEARCH APPLICATIONS:**

Applications include: identification of monocytes by direct immunofluorescence staining, identification of cells of monocyte lineage by immunohistological staining of tissue sections, and study of follicular architecture in lymphoid tissue with malignant involvement.

**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 thoroughly 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 product label description.

**SELECTED REFERENCES:**

This antibody has been characterized and clustered to CD14 by the Fourth International Workshop on Leucocyte Typing, see Leucocyte Typing IV, Oxford University Press.

**FOR RESEARCH USE ONLY. NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.**

\* R-phycoerythrin is registered under U.S. patent numbers 4,520,110 and 4,859,582.