



PRODUCT INFORMATION SUMMARY

ANTI-CD14

Purified	Product Number MO140020	0.1 mg
Phycoerythrin Conjugate	Product Number MO140070	100 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 Cris-6 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.

Immunoglobulin chain composition: IgG1.

CONJUGATION:

R-phycoerythrin.

HANDLING AND STORAGE:

The phycoerythrin conjugated monoclonal antibody is 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 Third International Workshop on Leucocyte Typing, see Leucocyte Typing III, Oxford University Press (1987), pp. 586-589.

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.

FAX COVER SHEET

Q: IH 127

DATE: 30 Sept, 1998
TO: Yuko Sato
COSMO BIO Co.

FROM: Len Bottone
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FAX: 516-485-1009 PH: 516-485-1008
VIA FAX 3 pages

COMMENTS:

Data sheet, anti-CD14, follows per your request. Use on frozen tissue sections is confirmed. Paraffin reactivity not tested

Best Regards -

New Products:

- Anti-Human MCP-1, MCP-3, G-CSF receptor, CD95 (Fas), CD166, HCV
- Anti-Mouse CD3, CD4, CD8a, VCAM-1, ICAM, VLA-4, CD11a, CD11b, CD44
- Anti-Rat CD3, adhesion markers
- Anti-RABBIT CD Markers, etc.
- ELISA Kits: ~~Human MCP-1, MCP-3, EGF, IL-2, EPO, SAA, GM-CSF~~, MIP-1
- MOUSE, RAT, and HUMAN GROWTH FACTORS and CYTOKINE FACTORS.