

**AM08357PU-N****Monoclonal Antibody to CD15 - Purified**

|                                      |   |
|--------------------------------------|---|
| <b>Alternate names:</b>              | Lacto-N-Fucopentaose III, Lewis X, SSEA1, Stage-Specific Embryonic Antigen, X-Hapten  |
| <b>Quantity:</b>                     | 50 µg   |
| <b>Concentration:</b>                | 0.5 mg/ml   |
| <b>Background:</b>                   | The CD15 antigen is expressed on approximately 90% human circulating granulocytes (membranes and granules), 30 to 60% of circulating monocytes and is absent from normal lymphocytes. CD15 antigen is also expressed on Reed Sternberg cells of Hodgkin's disease, on T cell lymphomas including mycosis fungoides and on some leukemias. Outside the hematopoietic system, CD15 expression is described in certain normal and neoplastic epithelial cells and in astrocytes. At least 5 major CD15 antigens (105, 135, 165, 185, 220 kDa) are present on the surface membranes of polymorphonuclear cells. The hapten occurs also in glycolipids. CD15 plays a role in mediating phagocytosis, bactericidal activity and chemotaxis. |
| <b>Host / Isotype:</b>               | Mouse / IgM   |
| <b>Recommended Isotype Controls:</b> | SM13P   |
| <b>Clone:</b>                        | HI98  |
| <b>Immunogen:</b>                    | Human PBMCs   |
| <b>Format:</b>                       | <b>State:</b> Liquid purified Ig fraction<br><b>Purification:</b> Affinity Chromatography<br><b>Buffer System:</b> PBS, pH 7.2 containing 0.09% Sodium Azide  |
| <b>Applications:</b>                 | <b>Flow Cytometry.</b><br><b>Immunohistochemistry on Frozen Sections.</b><br><b>Immunohistochemistry on Paraffin Sections:</b> 1/50.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.  |
| <b>Specificity:</b>                  | This antibody reacts to Human Fucosyltransferase 4 (alpha (1,3) Fucosyltransferase, Myeloid-specific) (FUT4/CD15).  |
| <b>Storage:</b>                      | Store the antibody undiluted at 2-8°C.<br>Shelf life: one year from despatch.   |

**Pictures:**

AM08357PU-N FUT4 Antibody staining of Formalin-Fixed Paraffin-Embedded Human Uterus at 1/50 followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

