

Product datasheet for **AM08357PU-N**

CD15 Mouse Monoclonal Antibody [Clone ID: HI98]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HI98
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: 1/50.
Reactivity:	Human, Chimpanzee
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human PBMCs
Specificity:	This antibody reacts to Human Fucosyltransferase 4 (alpha (1,3) Fucosyltransferase, Myeloid-specific) (FUT4/CD15).
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



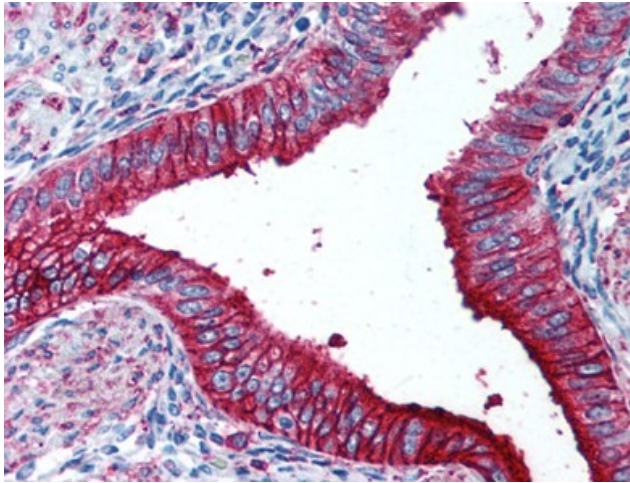
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Background:

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.

Synonyms:

Lewis X, X-Hapten, Lacto-N-Fucopentaose III, Stage-Specific Embryonic Antigen, SSEA1

Product images:

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.