

Polyclonal Antibody to Human Immunodeficiency Virus 1 (HIV-1) tat - Aff - Purified

Alternate names:	Human Immunodeficiency Virus I, HIV1, HIV-I, HIVI
Catalog No.:	15-288-10817F
Quantity:	0.1 mg
Background:	<p>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.</p>
Host / Isotype:	Chicken
Immunogen:	Normal human granulocytes
Format:	<p>State: Lyophilized purified Ig fraction.</p> <p>Purification: PBS buffer with 1 mg/ml BSA as stabilizer and no preservative.</p> <p>Reconstitution: Restore with 1 ml of distilled water.</p>
Applications:	<p>Suitable for use in Flow Cytometry: use 20 µg to label 5x10⁵ cells.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>On progenitor cells CD15 is coexpressed by 0.25 to 1% of bone marrow CD34+ cells.(2) In the peripheral blood growth factor mobilized CD34+ cells expressed CD15 (0.5 to 3.8% positive) in the native state and after neuraminidase exposure (up to 24% positive).(2) 80H5 recognizes the sugar sequence lacto-N-fucopentaose III (Lex).</p> <p>It does not react with the sialylated form of CD15.</p> <p>On the umbilical cord blood cells 80H5 stains more of 15% of CD34-bright cells and more of 30% after neuraminidase treatment.(2)</p> <p>This antibody has been assigned to the CD15 cluster of differentiation at the Vth International Workshop on Human Leukocyte Differentiation Antigens in Boston (1993).</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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Storage:

Store the reconstituted antibody at 2-8°C for one month (add 0.09% Sodium Azide) or at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General References:

1. Ball, E.D., CD15 cluster workshop report, 1995, in Leucocyte Typing V, Schlossman, S.F., et al., Eds., Oxford University Press, pp790-794.
2. Ball, E.D., Persichetti, J., Roscoe, R., Nimgaonkar, M., Winkelstein, A., Expression of CD15 and CD34+ cells of the bone marrow, peripheral blood, and umbilical cord blood, 1995, in Leucocyte Typing V, Schlossman, S.F., et al., Eds., Oxford University Press, pp795-798.
3. Mannoni, P., Janowska-Wieczorek, A., Turner, A.R., MacGann, L., Turc, J.M., Monoclonal antibodies against human granulocytes and myeloid differentiation, 1982, Human Immunology, 5, 309-323.
4. Kerr, M.A., Craig Stocks, S., The role of CD15-(Lex)-related carbohydrate in neutrophil adhesion", 1992, Histochemical Journal, 24, 811-826.
5. Arber, D.A., Weiss, L.M., CD15: a review, 1993, Applied Immunohistochemistry, 1, 1, 17-30.

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