

### 36-2354: Anti-CD15 / FUT4 (Reed-Sternberg Cell Marker) Monoclonal Antibody(Clone: SPM119)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM119
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	FUT4
<b>Gene ID :</b>	2526
<b>Uniprot ID :</b>	P22083
<b>Alternative Name :</b>	3 Fucosyl N Acetyl Lactosamine; Alpha (1,3) Fucosyltransferase; Alpha 13 fucosyltransferase FucT; ELAM Ligand Fucosyltransferase; ELFT; FCT3A; Fuc-TIV; Fucosyltransferase 4 Alpha 1 3 Fucosyltransferase Myeloid Specific; Fucosyltransferase 4; Galactoside 3 L Fucosyltransferase; Lewis X; LeX; SSEA1; Stage Specific Embryonic Antigen 1
<b>Isotype :</b>	Mouse IgM, kappa
<b>Immunogen Information :</b>	U937 histiocytic cell line

#### Description

CD15 plays a role in mediating phagocytosis, bactericidal activity, and chemotaxis. It is present on 95% of granulocytes including neutrophils and eosinophils and to a lesser degree on monocytes. In addition, CD15 is expressed in Reed-Sternberg cells and some epithelial cells. CD15 antibody is very useful in the identification of Hodgkin's disease. CD15 is occasionally expressed in large cell lymphomas of both B and T phenotypes which otherwise have a quite distinct histological appearance.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5-8.5, for 45 min at 95&degC followed by cooling at RT for 20 minutes),

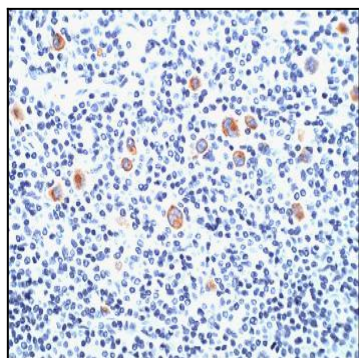


Fig. 1: Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with CD15 Monoclonal Antibody (SPM119).

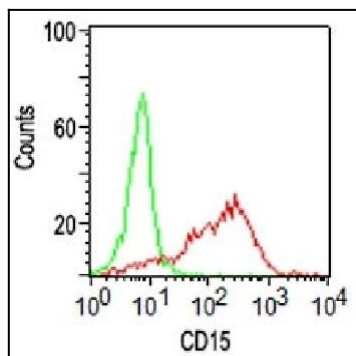


Fig. 2: FACS analysis of CD15 on human Monocytes using CD15 Monoclonal Antibody (SPM119).

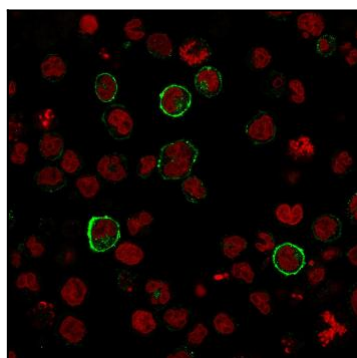


Fig. 3: Immunofluorescence staining of U937 cells using CD15 Monoclonal Antibody (SPM119) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.

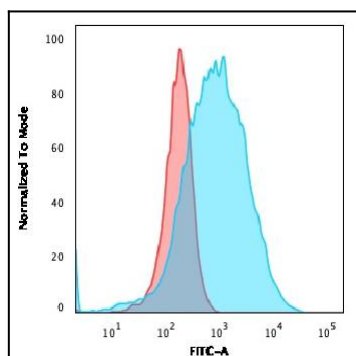


Fig. 4: Flow Cytometric Analysis of U937 cells using CD15 MAb (SPM119) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).