

## CD15 (FUT4/815)

Type	Size	Catalog number
unconjugated	100µg	105001
	500µg	105003
FITC	25 tests	105014
	100 tests	105015
	200 tests	105016

<b>Antigen:</b>	CD15
<b>Immunogen:</b>	Purified human neutrophils
<b>Host/Isotype:</b>	Mouse, IgM, κ
<b>Reactivity:</b>	Human
<b>Purity:</b>	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
<b>Formulation:</b>	PBS, pH7.2, 0.09%NaN <sub>3</sub> (unconjugated) PBS, pH7.2, 0.09% NaN <sub>3</sub> and 0.2% (w/v) BSA (conjugated)
<b>Storage:</b>	Store at 2-8°C and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Applications:</b>	Flow Cytometry

### Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

### Antigen Information

The clone FUT4/815 recognizes CD15, a cell surface protein (~220kDa) abundantly expressed by granulocytes and monocytes. CD15 plays important role in mediating phagocytosis, bactericidal activity, and chemotaxis. CD15 is also expressed by Reed-Sternberg cells and some other epithelial cells. CD15 antibody is very useful in the identification of Hodgkin's Disease and large cell lymphomas of both B and T phenotypes.

### References

1. Skubitz K et al 1989. Leucocyte Typing IV: White Cell Differentiation Antigens New York, NY: Oxford University Press; 1989:800-805.
2. Hanjan SN et al. 1982. Clin Immunol Immunopathol. 23:172-188
3. Hakomori, S. 1992. Histochem. J. 24: 771-776
4. Hsu SM, et al, 1984. Amer J Clin Path. 82:29

### Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.