

# CD15 (ZR417)

## Rabbit Monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Purified human neutrophils (FUT4/815); Myelomonocytic leukemia cells (BRA-4F1)  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** CD15 (ZR417) Rabbit Monoclonal primary antibody detects CD15 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CD15 protein.

**Localization:** Cell membrane and granular perinuclear.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** 3-fucosyl-N-acetyllactosamine (3-FAL) or CD15 or X-hapten 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. CD15 is also 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.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Pellegrini W, et al. Haematologica. 2007; 92:708-9.
2. Stocks SC, et al. Biochem J. 1990; 268:275-80.
3. Gadhoun SZ, et al. Nat Chem Biol. 2008; 4:751-7.

**REF** Z2773RL/ Z2773RS/ Z2773RT/ Z2773RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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