

CD3 (ZR414)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: A recombinant human CD3e protein fragment (around aa 23-119)
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: CD3 (ZR414) Rabbit Monoclonal primary antibody detects CD3 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 CD3 protein.

Localization: Membrane.

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

Description: Recognizes the epsilon chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, the CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. The CD3 antigen is a highly specific marker for T cells and has been reported expressed by the majority of T cell neoplasms.

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. Beverley PC, et al. Eur J Immunol. 1981; 11:329-34.
2. Campana D, et al. J Immunol. 1987; 138:648-55.
3. Dogan A, et al. Am J Surg Pathol. 2003; 27:903-11.

REF Z2770RL/ Z2770RS/ Z2770RT/ Z2770RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)