

CD71 (ZR422)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment of human TFRC receptor
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: CD71 (ZR422) Rabbit Monoclonal primary antibody detects CD71 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 CD71 protein.

Localization: Cytoplasmic.

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

Description: It recognizes a ~90-95 kDa protein identified as cell surface transferrin receptor (CD71) a disulfide-bonded homodimeric glycoprotein of 180-190kDa. This mAb is highly specific to CD71 and shows no cross-reaction with other related proteins. Ligand for transferrin receptor is the serum iron transport protein transferrin. This receptor has been observed to be expressed by numerous carcinomas, sarcomas, leukemias, and lymphomas. CD71/transferrin receptor has been reported to be associated with cell proliferation in both normal and neoplastic tissues.

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. Ponka P, et al. Int J Biochem Cell Biol. 1999; 31:1111-37.
2. Nakahata T, et al. Leuk Lymphoma. 1994; 13:401-9.
3. Marsee DK, et al. Am J Clin Pathol. 2010; 134:429-35.

REF Z2778RL/ Z2778RS/ Z2778RT/ Z2778RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)