

## **CD71 (HI166) Antibody**

**Subcategory:** Mouse Monoclonal Antibody, PE-conjugated Antibody

**Cat. No.:** 251091

**Unit:** 2 ml

### **Description:**

The CD71 (HI166) Antibody recognizes a 95-kDa disulfide-bonded homodimeric type-II transmembrane glycoprotein called transferrin receptor (TfR). CD71 antigen is expressed typically at high level on all proliferating cell, activated cells and erythroblasts or reticulocytes that require iron, but not on resting peripheral blood leucocytes and mature erythrocytes. CD71 antigen is also expressed at high level on cells of most neoplastic cell lines and 29-32% of bone marrow cells. A soluble form of CD71 in serum (plasma) exists besides a membrane form. Monitoring the soluble form of CD71 antigen in plasma is a diagnostic marker of anemia besides assaying plasma ferritin. The CD71 (HI160) antibody inhibits CD71/Transferrin receptor activity.

**Isotype:** mouse IgG1

**Applications:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Transferrin receptor protein 1; TfR1; TR; TfR; Trfr; T9; p90; CD71 antigen; TFRC

**Accession No.:** P02786

**Application Notes:** FC with whole blood: 100  $\mu$ l blood + 20  $\mu$ l antibody; FC with cells: 10E6 cells + 20  $\mu$ l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** Yang CY., et al. 1990. ACTA Academiae Medicinae Sinicae. 12(6): 400; Yang CY., et al. 1992. Chinese J. Microbiology and Immunology. 12(3): 178; Yang CY., et al. 1993. Tissue Antigens. 42(4): 253; Schlossman S. et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P246, Oxford University Press, New York

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