

Anti-CD71 Antibody

Our Anti-CD71 mouse monoclonal primary antibody from PhosphoSolutions is produced in-house. It detects
Catalog # AN1328

Specification

Anti-CD71 Antibody - Product Information

Application	WB
Primary Accession	P02786
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	84871

Anti-CD71 Antibody - Additional Information

Gene ID **7037**

Other Names

CD 71 antibody, CD71 antibody, CD71 antigen antibody, IMD46 antibody, OTTHUMP00000208523 antibody, OTTHUMP00000208524 antibody, OTTHUMP00000208525 antibody, p90 antibody, sTfR antibody, T9 antibody, TFR 1 antibody, TfR antibody, TfR1 antibody, TFR1_HUMAN antibody, TFRC antibody, TR antibody, Transferrin receptor (p90 CD71) antibody, Transferrin receptor protein 1, serum form antibody, Trfr antibody

Target/Specificity

CD71, also known as the transferrin receptor (TfR1), is a transmembrane glycoprotein whose primary function is to mediate cellular uptake of iron from a plasma glycoprotein, transferrin. CD71 is a widely used marker for cell activation or proliferation of lymphocytes as transferrin receptor expression is undetectable in resting T and B lymphocytes, but increases significantly upon lymphocyte antigen activation (Galbraith, R.M., et al 1981). Rapidly proliferating cells and energy-requiring cells, like cancer cells, osteoclasts (Roodman, G.D., 2009), and activated lymphocytes (Wieland, E., et al, 2016) express high levels of CD71 due to increased iron demand. TfR1 is seen as an efficient drug delivery system for cancer patients as it can mediate extracellular transferrin conjugated molecules for treatment (Luria-Perez, R., et al, 2016).

Dilution

WB~~1:1000

Format

Protein G purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-CD71 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

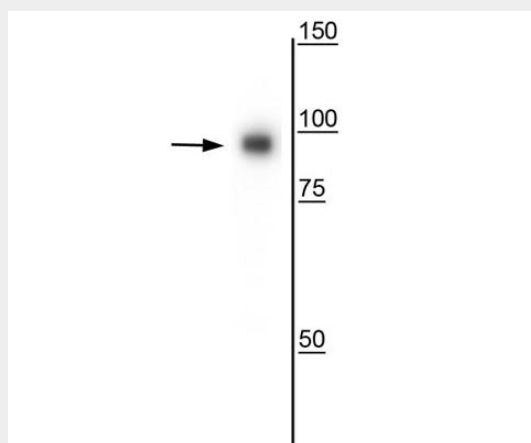
Blue Ice

Anti-CD71 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD71 Antibody - Images



Western blot of UV treated HeLa cell lysate showing specific immunolabeling of the ~98 kDa CD71 protein.

Anti-CD71 Antibody - Background

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