

Product datasheet for **AM26057PU-N**

CD71 (TFRC) Mouse Monoclonal Antibody [Clone ID: SOM4D10]

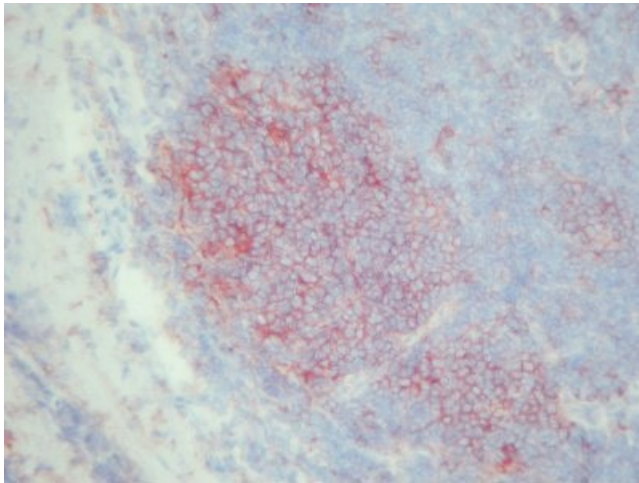
Product data:

Product Type:	Primary Antibodies
Clone Name:	SOM4D10
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 1-3 µg/ml (1:130 - 1:400). Has been described to work in FACS. Suggested positive control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody recognizes the human CD71 antigen, the transferrin receptor.
Formulation:	Stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	Reconstitute by adding 0.5 ml distilled water.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transferrin receptor
Database Link:	Entrez Gene 7037 Human P02786



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- Background:** CD71 is a proliferation-associated homodimeric membrane glycoprotein consisting of two disulfide-bonded 95kD chains. CD71 is a type II membrane protein with short aminoterminal cytoplasmic domain which mediates internalization and recycling, a single transmembrane region, and a large extracellular transferrin-binding domain. CD71 contains N-linked and O-linked glycans, as well as palmitic acid covalently attached to cysteine residues close to the cytoplasmic face of the membrane.
- Synonyms:** TfR1, p90, Transferrin receptor protein 1
- Note:** Antigen distribution:
Isolated cells: The antibody stains > 90% of activated human peripheral blood lymphocytes in flow cytometry.
Tissue sections: Germinal center; basal layer of epidermis; tissue macrophages; testis.
- Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein, Transmembrane
- Protein Pathways:** Endocytosis, Hematopoietic cell lineage
- Product images:**



Immunohistochemistry on frozen sections:
Staining of human tonsil with AM26057PU-N