

ARG10448 anti-Transferrin antibody [2A2]

Package: 250 µg, 125 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2A2] recognizes Transferrin
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	MAb 2A2 reacts with N-terminal domain of human transferrin with $K_d=2.85 \times 10^{-11}$ M. MAbs 2A2 do not cross-react with mouse, rabbit, bovine transferrin and with human lactoferrin.
Host	Mouse
Clonality	Monoclonal
Clone	2A2
Isotype	IgG1
Target Name	Transferrin
Species	Human
Immunogen	purified transferrin from pooled human plasma
Conjugation	Un-conjugated
Alternate Names	Beta-1 metal-binding globulin; Siderophilin; Transferrin; PRO1557; TFQTL1; Serotransferrin; PRO2086

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Protein G affinity purified.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 7018 Human Swiss-port # P02787 Human
Gene Symbol	TF
Gene Full Name	transferrin
Background	<p>This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq, Sep 2009]</p>
Function	<p>Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation. [UniProt]</p>
Highlight	<p>Related Antibody Duos and Panels: ARG30286 Transferrin ELISA Antibody Duo Related products: Transferrin antibodies; Transferrin ELISA Kits; Transferrin Duos / Panels; Anti-Mouse IgG secondary antibodies;</p>
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	77 kDa