

Datasheet for 600-401-255

Mouse Transferrin Antibody

Overview

Description:	Anti-Transferrin (RABBIT) Antibody - 600-401-255
Item No.:	600-401-255
Size:	1 mg
Applications:	ELISA, EM
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Mouse Transferrin is a blood plasma glycoprotein which binds iron and regulates the amount of available iron in circulation. Mouse Transferrin has a high affinity for iron, but this binding is reversible. Mouse Transferrin has a molecular weight of approximately 80kDa. Mouse Transferrin also plays a role in the immune system, creating environments low in iron for which many pathogenic bacteria are unable to thrive.
Synonyms:	rabbit anti-transferrin antibody, Apotransferrin antibody, Beta-1 metal binding globulin antibody, Serotransferrin antibody, Siderophilin antibody, Tf, Trf
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Tf
Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Mouse Transferrin

Purity/Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using antigen resins. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. Analysis by SDS-PAGE was used to determine that this preparation is substantially free of aggregates and shows a banding pattern consistent with purified Rabbit IgG.

Relevant Links:

- [NCBI - Q921I1.1](#)
- [UniProtKB - Q921I1](#)
- [GeneID - 22041](#)

Application Details

Tested Applications:	ELISA
Suggested Applications:	EM (Based on references)
Application Note:	Anti-Mouse Transferrin is tested in ELISA and suitable in Western Blotting experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	User Optimized

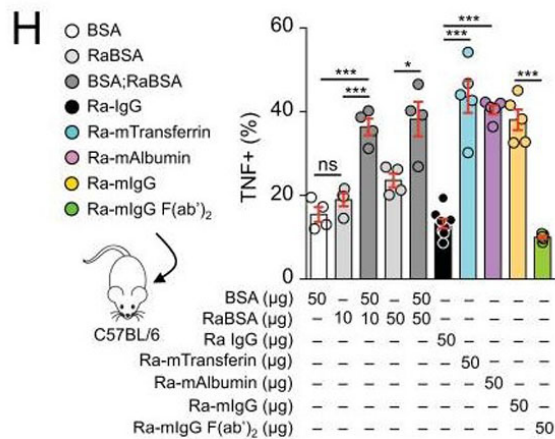
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Figure

FcγRIV-dependent uptake and activation of kidney, but not dermal, macrophages by small immune complexes, 'auto' antibodies, and NZWxBXSB serum. (H) TNF staining in kidney F4/80bright macrophages from wt mice 1 hour after i.v. injection of the indicated amounts of BSA, RaBSA, BSA;RaBSA, rabbit IgG (Ra-IgG), rabbit anti-mouse transferrin (Ra-mTransferrin) [p/n 600-401-255], rabbit anti-mouse albumin (Ra-mAlbumin) [p/n 600-401-254], rabbit anti-mouse IgG (Ra-mIgG) [p/n 610-4102] or Ra-mIgG (Fab')₂ [p/n 310-4102]. N= 4-5 mice per treatment. Fig 5. PMID: 27477514.

References

- Stamatiades et al. Immune Monitoring of Trans-endothelial Transport by Kidney-Resident Macrophages. *Cell* (2016)

Disclaimer

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