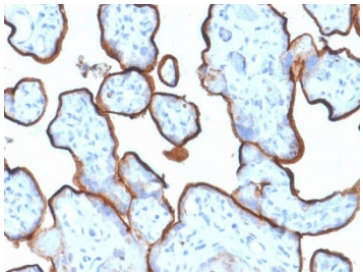
# Transferrin Receptor Antibody / CD71 (Extracellular domain) [clone TFRC/1839] (V3888)

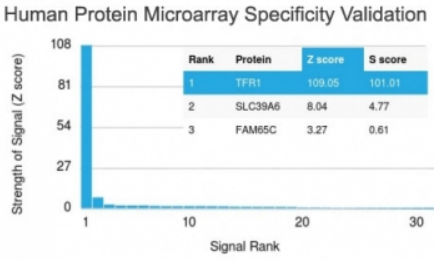
| Catalog No. | Formulation | Size |
|---|---|---|
| V3888-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3888-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3888SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | TFRC/1839 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P02786 |
| **Localization** | Cell surface |
| **Applications** | ELISA : 2-4ug/ml (order BSA/azide-free format)<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| **Limitations** | This Transferrin Receptor antibody is available for research use only. |



IHC testing of FFPE human placenta tissue with Transferrin Receptor antibody (clone TFRC/1839). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.




Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Transferrin Receptor antibody (clone TFRC/1839). These results demonstrate the foremost specificity of the TFRC/1839 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

## Description

It recognizes an 85-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. This mAb is highly specific to Transferrin Receptor / CD71 and shows no cross-reaction with other related proteins. Ligand for transferrin receptor is the serum iron transport protein, transferrin. This receptor is broadly distributed in carcinomas, sarcomas, leukemias, and lymphomas. CD71/Transferrin Receptor has been reported to be associated with cell proliferation in both normal and neoplastic tissues and useful in predicting clinical behavior or response to therapy in a number of malignancies including breast cancer.

## Application Notes

Optimal dilution of the Transferrin Receptor antibody should be determined by the researcher.

## Immunogen

Amino acids 94-212 (extracellular domain) of the human protein were used as the immunogen for the Transferrin Receptor antibody.

## Storage

Store the Transferrin Receptor antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com