

## Mouse transferrin receptor (p90, CD71) ELISA Kit | TFRC elisa kit

Mouse transferrin receptor, TFR ELISA Kit

CATALOG #  
**AAA80691**

REACTIVITY  
**Mouse**

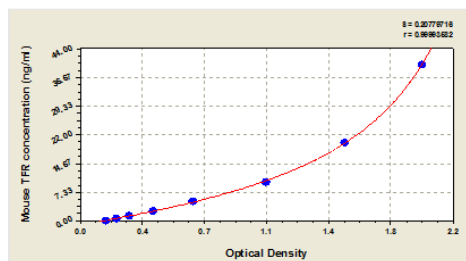
### PRODUCT SYNONYMS

transferrin receptor (p90; CD71); Mouse transferrin receptor; TFR ELISA Kit; CD71; TFR; TFR1; TRFR; transferrin receptor; TFRC elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
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| Reactivity                   | Mouse                                                                                                                                                                                                                                                                                                                     |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Mouse TFRC. No significant cross-reactivity or interference between Mouse TFRC and analogues was observed.                                                                                                                                     |
| Sequence Length              | 763                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Assay Type                   | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range              | 0.625 ng/ml-40 ng/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity                  | 0.156 ng/ml                                                                                                                                                                                                                                                                                                               |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Immunity                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 3 | Endocytosis                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TFRC elisa kit | <p><b>For Sample</b> For the quantitative determination of mouse transferrin receptor (TFR) concentrations in serum, plasma, tissue homogenates.</p> <p><b>PRINCIPLE OF THE ASSAY</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TFR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TFR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TFR is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TFR bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11596855                                                                                                  |
| NCBI GeneID                      | 22042                                                                                                     |
| NCBI Accession #                 | NP_035768.1                                                                                               |
| NCBI GenBank Nucleotide #        | NM_011638.4                                                                                               |
| UniProt Accession #              | Q62351; Q61560                                                                                            |
| Molecular Weight                 | 85,731 Da                                                                                                 |
| NCBI Official Full Name          | transferrin receptor protein 1                                                                            |
| NCBI Official Synonym Full Names | transferrin receptor                                                                                      |
| NCBI Official Symbol             | Tfrc                                                                                                      |
| NCBI Official Synonym Symbols    | TR; TFR; p90; CD71; TFR1; Trfr; Mtvr1; Mtvr-1; AI195355; AI426448; AU015758; 2610028K12Rik; E430033M20Rik |
| NCBI Protein Information         | transferrin receptor protein 1; mammary tumor virus receptor 1                                            |
| UniProt Protein Name             | Transferrin receptor protein 1                                                                            |
| UniProt Gene Name                | Tfrc                                                                                                      |
| UniProt Synonym Gene Names       | Trfr; TR; TfR; TfR1; Trfr                                                                                 |
| UniProt Entry Name               | TFR1_MOUSE                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.