ImmunoBioScience Corp. (IBSC) *DATA SHEET*Transferrin, Polyclonal rabbit-anti-human

**Catalog number:** RP-4022-01 0.5 ml Concentrated IgG 2. mg/ml

RP-4022-02 1.0 ml Concentrated IgG 2. mg/ml

**Buffer** Protein A purified total IgG is supplied with in PBS with 0.05% azide, pH 7.4. The Prediluted antibody is supplied in our Universal antibody dilution buffer (AR-6526) green in color.

**Description**:Transferrin is a blood plasma protein for iron ion delivery. It is a is a glycoprotein, which binds iron very tightly but reversibly. Transferrin has a molecular weight of around 80 kilo Daltons and contains 2 specific high affinity Fe (III) binding sites. It is synthesized in the liver and consists of two domains each having a high affinity reversible binding site for Fe3+. The iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/Transferrin is essential in hemoglobin synthesis and for certain types of cell division. Serum concentration rises in iron deficiency and pregnancy and falls in iron overload, infection and inflammatory conditions.  
When a transferrin protein loaded with iron encounters a transferrin receptor on the surface of a cell (importantly, to erythroid precursors in the bone marrow), it binds to it and is consequently transported into the cell in a vesicle.

**Intended Use**: Immunoprecipitation (IP), ELISA

**Storage**: 2-8°C

**Epitope:** not determined.

**Molecular weight of antigen:** Approx. 80 kDa

**Immunogen:** .Purified human transferrin

**Species reactivity:** Human, others not tested.

**Application:** IP, Elisa, 1:1,000-1:1:10,000

The optimum dilution should be determined by the individual lab.

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

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**For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY**

**“*In vitro* laboratory products for research”**

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