

## Product datasheet for **SM3156P**

### Transferrin Mouse Monoclonal Antibody [Clone ID: PTF-02]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PTF-02
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody PTF-02 recognizes porcine serum transferrin, a 77 kDa single polypeptide chain glycoprotein which is synthesised in the liver and consists of two domains each having a high affinity reversible binding site for Fe <sup>3+</sup> . The antibody is negative with Sheep and Horse. Other species not tested.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography; purity > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<u><a href="#">P09571</a></u>

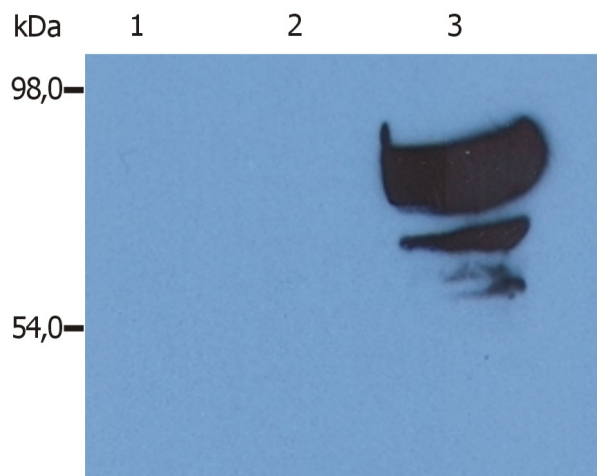
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**Background:**

Transferrin is a single polypeptide chain glycoprotein belonging to iron binding family of proteins. It has a molecular weight of 81,5 kDa (porcine). It is synthesised in the liver and consists of two domains each having a high affinity reversible binding site for Fe<sup>3+</sup>. The iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/transferrin is essential in haemoglobin 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.

**Synonyms:**

Serotransferrin, Siderophilin

**Product images:**


Western Blotting analysis (reducing conditions) of Transferrin of various species using anti-porcine Transferrin (PTF-02). Lane 1: equine transferrin  
Lane 2: sheep transferrin Lane 3: porcine transferrin