ARG63115
anti-Transferrin antibody [PTF-02]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [PTF-02] recognizes Transferrin
Tested Reactivity	Pig
Species Does Not React With	Hrs, Sheep
Tested Application	ELISA, WB
Specificity	The clone PTF-02 recognizes porcine serum transferrin, a 77 kDa single polypeptide chain glycoprotein (member of the iron binding family of proteins). It is synthesised in the liver and consists of two domains each having a high affinity reversible binding site for Fe3+.
Host	Mouse
Clonality	Monoclonal
Clone	PTF-02
Isotype	IgG1
Target Name	Transferrin
Species	Pig
Immunogen	Porcine transferrin
Conjugation	Un-conjugated
Alternate Names	Beta-1 metal-binding globulin; Siderophilin; Transferrin; PRO1557; TFQTL1; Serotransferrin; PRO2086

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

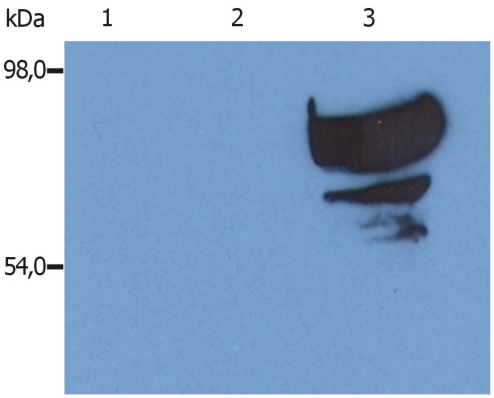
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 396996 Pig
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 Fe3+. 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.
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	77 kDa

Images



ARG63115 anti-Transferrin antibody [PTF-02] WB image

Western blot: 1) Equine, 2) Sheep, and 3) Porcine transferrin stained with ARG63115 anti-Transferrin antibody [PTF-02].