

<b>Description</b>	<b>Horseradish peroxidase-conjugated IgG fraction of polyclonal rabbit antiserum to swine transferrin</b>	
<b>Product code</b>	RASw/Trf/PO	
<b>Biological origin</b>	Rabbit	
<b>Physical form</b>	Horseradish peroxidase-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).	
<b>Preservative</b>	No preservative added	
<b>Immunogen</b>	Purified transferrin isolated from pooled swine serum. Freund's complete adjuvant is used in the first step of the immunization procedure.	
<b>Adsorption</b>	Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.	
<b>Purification</b>	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.	
<b>Identity &amp; Specificity</b>	The reactivity of the antiserum is restricted to transferrin as tested in immunoelectrophoresis and radial immunodiffusion. A characteristic single precipitin line is obtained with normal serum which shows a reaction of identity with the precipitin line with purified transferrin.	
<b>Cross-reactivity</b>	Inter-species cross-reactivity is a normal feature of antibodies to serum proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.	
<b>Physicochemical characteristics</b>	IgG protein concentration 10 mg/ml. Peroxidase/IgG protein molar ratio (E/P) is approximately 1.7. No foreign proteins added.	
<b>Enzyme marker</b>	Horseradish peroxidase enriched for isoenzyme C (RZ=3.2).	
<b>Conjugation procedure</b>	Conjugation is carried out using a proprietary modification of the periodate technique for the binding to peroxidase, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life.	
<b>Intended use</b>	<p>In enzyme-immunocytochemical and immunohistochemical techniques for the detection of transferrin at the cellular and subcellular level in appropriately treated cell and tissue substrates; as detection reagent in non-isotopic methodology and solid phase immunochemistry (e.g. ELISA, Western blotting).</p> <p><i>This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.</i></p> <p>Working dilutions for histochemical and cytochemical use are usually between 1:100 and 1:500; in ELISA and comparable non-precipitating antibody-binding assays between 1:1,000 and 1:5,000.</p>	
<b>Handling</b>	<p>The lyophilized immunoconjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.</p>	
<b>Packing</b>	Vial with 1 ml lyophilized immunoconjugate.	
<b>Storage / shelf life</b>	Lyophilized at +4°C	at least 10 years
	reconstituted at or below -20°C	3-5 years
	reconstituted at +4°C	7 days
<b>Caution</b>	This immunoconjugate should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For <i>in vitro</i> research purposes only.	

**NORDIC IMMUNOLOGICAL LABORATORIES**  
 Langendijk 25, 5652 AX Eindhoven, The Netherlands  
 Tel. +31 630 070 625, Fax: +31 402 920 069  
 E-mail: info@nordiclabs.nl  
 www.nordiclabs.nl