NORDIC IMMUNOLOGY **Product Specification**

Description	**Purified IgG fraction of polyclonal swine antiserum to human hepatitis associated antigen**
Product code	SwAHu/HAA7S
Biological origin	Swine
Physical form	Purified hyperimmune IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2)
Preservative	No preservative added, as it may interfere with the antibody activity.
Immunogen	he immunogen has been prepared from sera of patients with hepatitis using gelfiltration Freund's complete adjuvant is used in the first step of the immunization procedure.
Purification	The IgG (7S) fraction is isolated and purified from the antiserum and contains the bulk of the defined antibody specificity. It is free of other serum proteins as tested by immunoelectrophoresis and double radial immunodiffusion.
Adsorption	Immunoaffinity adsorbed using pooled human serum negative for the antigen, to eliminate antibodies reacting with other human serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
Identity & Specificity	The defined antibody specificity is to the hepatitis associated antigen as tested in counterelectrophoresis and double radial immunodiffusion against HAA positive human serum. The product does not react with normal human serum or plasma.
Cross-reactivity	Inter-species cross-reactivity of this antiserum has not been tested.
Physicochemical characteristics	IgG protein concentration 10 mg/ml. No foreign proteins added.
Preservative	No preservative added.
Intended use	As unlabelled primary or secondary antibody for the detection of HAA at the cellular and subcellular level by immunofluorescence and immunoenzyme assay methods; for the production of immuno-conjugates with a selected marker; to prepare insoluble immunoaffinity adsorbents by coupling to an artificial carrier; as catching or detecting antibody in non-isotopic methodology and solid phase immunochemistry. *When applied in any immunocytochemical or histochemical staining procedure or solid phase coupling technique, the optimum working dilution should be established by titration before being used.* Working dilutions for histochemical and cytochemical use are usually between 1:50 and 1:250; in ELISA and comparable non-precipitating antibody-binding assays between 1:500 and 1:5,000.
Handling	The IgG fraction is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product.
Packing	Vial with 10 mg lyophilized IgG fraction.
Storage / shelf life	Lyophilized at +4°C — at least 10 years reconstituted at or below -20°C — 3-5 years reconstituted at +4°C — 7 days
Caution	This product should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For *in vitro* research purposes only.

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