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## Product Datasheet

### **Sheep anti Human IgG4 (subclass specific), Clone: [Polyclonal], Monoclonal NMB-SHAHU/IGG4**

Artikelname	Sheep anti Human IgG4 (subclass specific), Clone: [Polyclonal], Monoclonal
Artikelnummer	NMB-SHAHU/IGG4
Hersteller Artikelnummer	ShAHu/IgG4
Alternativnummer	NMB-SHAHU/IGG4
Hersteller	NordicMubio
Wirt	Sheep
Kategorie	Antikörper
Spezies Reaktivität	Human
Konjugation	Unconjugated
Format	Antiserum
Spezifität	IgG4 (Fc)
Minimale Kreuzreaktivität (MinX)	no cross-adsorbtion
Produktbeschreibung	The activity of the antiserum is directed to human IgG4 subclass. It does not react with any non-Ig protein in human serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In precipitating techniques as immunoelectrophoresis and...
Klonalität	Monoclonal
Klon-Bezeichnung	[Polyclonal]

Puffer	Delipidated, heat inactivated lyophilized stable whole serum. No preservative added, as it may interfere with the antibody activity. No foreign protein added. Total protein and IgG concentration in the antiserum are comparable to those of pooled sheep serum.
Quelle	Purified homogenous IgG4 is isolated from human serum. Freunds complete adjuvant is used in the first step of the immunization procedure.
Formel	Delipidated, heat inactivated lyophilized stable whole serum. No preservative added, as it may interfere with the antibody activity. No foreign protein added. Total protein and IgG concentration in the antiserum are comparable to those of pooled sheep serum.
Antibody Type	Secondary Antibody
Anwendungsbeschreibung	Precipitation assays. Because of their characteristics and those of the subclass-specific antigenic determinants, the use of this antiserum requires special precautions. The specificity and reactivity depend largely on the conditions of the test system in which they are applied. The performance of NORDIC polyclonal subclass-specific antisera is guaranteed when they are used for the purposes described in RWP 5E/88, applying the special immunoprecipitation arrangement recommended for these purposes. In immunoelectrophoresis use 2 µl 1:8, 1:16 and 1:32 dilutions of pathological serum or equivalent against 60 µl antiserum. In double radial immunodiffusion use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. Nordic also makes available a human standard serum with assigned values of the subclasses of IgG (NOR-01). The antigenic differences between subclasses are considerably less pronounced than those between classes or between light chain types. Subclass-specific determinants are only few in number and probably restricted in their structural exposure, which makes them relative weak immunogens. This explains why the titres of subclass-specific antisera are usually lower than those of class-specific antisera which react with many antigenic determinants commonly present on all molecules of the respective class.