



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Goat anti Human IgG IgA IgM (heavy and light chains) immunofixation

[nordicmubio.com/product/goat-anti-human-igg-iga-igm-heavy-and-light-chains-immunofixation](https://nordicmubio.com/product/goat-anti-human-igg-iga-igm-heavy-and-light-chains-immunofixation)

Catalogue number: **GAHu/Ig/IFix**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Goat

### Background

The defined antibody specificity is directed to the major isotypes of the human immunoglobulin system (classes and both light chain types) including antibody to common determinants and to class specific determinants and to the surface determinants of the common Fab portion as tested against as tested in immunoelectrophoresis and double radial immunodiffusion (Ouchterlony). In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against normal human plasma and serum, the characteristic IgG, IgA, IgM and IgD (if present in precipitable amounts) precipitin lines are obtained. This antiserum is intended to detect and identify polyclonal immunoglobulins, purified monoclonal immunoglobulins in serum or other body fluids using the immunofixation technique. Like immunoelectrophoresis immunofixation is essentially a two step technique. Proteins in a complex mixture are separated by electro-phoresis in a gel carrier, followed by immunoprecipitation in situ with the antiserum. Non-precipitated proteins are removed by washing and the precipitated complex is revealed with a protein stain which allows its exact localization. Immunofixation may be the method of choice whenever a high level of sensitivity is required to identify a minor protein component against a high background of other proteins. It enables the detection and identification of more than one paraproteins in serum or of free light chain. The detection limit is approximately 0.5 to 1 mg/ml in the presence of normal levels of immunoglobulins. This product is not pre-diluted. The optimum working dilution of each product should be established by titration before being used.

**Source**

Highly purified IgG, and pools of homogenous IgA, IgM and IgD isolated from human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

**Product**

Goat Ig lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. 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.

**Specificity**

Ig fraction of polyclonal Goat antiSerum to Human immunoglobulins IgG, IgA, IgM and IgD, heavy and light chains

*Species Reactivity:* Inter-species cross-reactivity is a normal feature of antibodies to mammalian immunoglobulins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiSerum fraction has not been tested for cross-reactivity.

**Applications**

ELISA, Immunocytochemistry, Immunohistochemistry, (In)direct immunofluorescence.

**Storage**

The lyophilized product is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly 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.

**Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.