Datasheet for ABIN457713

Pig anti-Goat IgM (Fc Region) Antibody

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Overview

Quantity:	1 mL
Target:	IgM
Binding Specificity:	Fc Region
Reactivity:	Goat
Host:	Pig
Clonality:	Polyclonal
Application:	Immunoprecipitation (IP)

Product Details

Immunogen:	Highly purified normal IgM isolated from pooled goat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Precipitating polyclonal Rabbit antiSerum to Goat IgM, Fc specific.
Cross-Reactivity (Details):	The antiSerum does not cross-react with any other component of the Goat Ig system. Inter-species cross reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, however in double radial immunodiffusion a strong reaction with Sheep has been observed.
Characteristics:	The reactivity of the antiserum is restricted to the Fc part of the IgM molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal goat serum a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgM. No precipitation reaction is obtained with purified IgG, IgA, and IgG/Fab fragments. In precipitating techniques as immunoelectrophoresis

Product Details

	and radial immunodiffusion to identify the presence of IgM in goat serum and other body fluids or to determine its concentration. To prepare an immunoadsorbent for the purification of goat IgM from serum or plasma.
Purification:	Delipidated, heat inactivated, stable whole serum
Sterility:	Heat-inactivated

Target Details

Target:	IgM
Abstract:	IgM Products
Target Type:	Antibody

Application Details

Application Notes:	In immunoelectrophoresis use 2 µL serum, plasma or equivalent against 120 µL antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µL antiserum in a 3 mm diameter centre well and 2 µL serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. In single radial immunodiffusion and electroimmunodiffusion use 0.5 to 1.0 percent antiserum in the agar gel.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute the lyophilized antiserum by adding 1 mL sterile distilled water.Delipidated, heat inactivated, lyophilized, stable whole antiserum. No preservative added Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal swine serum. No foreign proteins added. Reconstitute the lyophilized antiserum by adding 1 mL sterile distilled water.
Buffer:	Delipidated, heat inactivated, lyophilized, stable whole antiserum. No preservative added Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal swine serum. No foreign proteins added.
Preservative:	Without preservative
Storage:	RT,4 °C,-20 °C

Handling

Storage Comment:	The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. 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 antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.