

Datasheet for ABIN457955

Goat anti-Human IgM (Fc Region) Antibody[Go to Product page](#)

Overview

Quantity: 1 mL

Target: IgM

Binding Specificity: Fc Region

Reactivity: Human

Host: Goat

Clonality: Polyclonal

Application: Immunoprecipitation (IP)

Product Details

Immunogen: Highly purified normal IgM isolated from pooled human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Specificity: Precipitating polyclonal Goat antiSerum to Human IgM, Fc specific

Cross-Reactivity (Details): The antiSerum does not cross-react with any other component of the Human Ig system. Interspecies cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. In immunoelectrophoresis crossreactivity of this antiSerum has not been observed with Serum of Rhesus Monkey, Cynomolgus and Baboon.

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 human 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

Product Details

immunoelectrophoresis and radial immunodiffusion to identify the presence of IgM in human serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of human 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 μ L or equivalent against 120 μ L antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 μ L in a 3 mm diameter center well and 2 μ L serum samples (neat and serially diluted) in 2 mm diameter peripheral wells.

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 goat 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 goat serum. No foreign proteins added.

Preservative: Without preservative

Storage: RT, 4 °C, -20 °C

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 $+4^{\circ}\text{C}$, not refrozen, and preferably used the same day.