10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human IgM (myeloma) Fc5µ

Catalog # ASR2899

Product Information

Description	HUMAN IgM (myeloma) Fc5 □fragment
Conjugate	Unconjugated
Physical State	Liquid (sterile filtered)
Host Isotype	IgM
Buffer	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Species of Origin	Human
Preservative	0.05% (w/v) Sodium Azide

Additional Information

Shipping Condition	Wet Ice
Application Note	Human IgM (myeloma) Fc5 □fragment can be used in Western Blotting and ELISA experiments as a control reagent.
Purity	Human IgM (myeloma) Fc5 □fragment has been prepared from Human IgM myeloma protein by digestion with trypsin followed by column chromatography. Purity was assessed by SDS-PAGE and HPLC to be greater than 95%. A single precipitin arc was observed against anti-human IgM Fc5 □ and anti-human serum when assayed by immuno-electrophoresis at a concentration of 20 mg/ml. No reaction was observed against anti-Trypsin, anti-human IgG F(ab')2, anti-human IgG F(c), anti-human Kappa or anti-human Lambda.
Storage Condition	Store vial at 4° C prior to opening. Human IgM (myeloma) Fc5 □fragment is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

Immunoglobulin M is the largest antibody isotype and the first to be secrected against an initial exposure to antigen. IgM is predominantly produced in the spleen. IgM is formed from covalently linking 5 immunoglobulins together. Due to this large size, IgM is typically isolated to the serum. Human IgM (myeloma) Fc5 □fragment consists of only the □(mu) chain of the Fc fragment.