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

Human IgM Fab µ (BULK ORDER)

Catalog # ASR3577

Product Information

Description	HUMAN IgM F(ab) fragment (BULK ORDER)
Conjugate	Unconjugated
Physical State	Liquid (sterile filtered)
Host Isotype	IgM
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Human
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide

Additional Information

Shipping Condition	Wet Ice
Application Note	Monovalent F(ab) fragments of affinity-purified, secondary antibodies are offered to cover (block) the surface of immunoglobulins for double labeling primary antibodies from the same host species, or to block endogenous immunoglobulins in tissue sections or on cell surfaces. They can be used for these purposes because each F(ab) fragment has only a single antigen binding site. HUMAN IgM (myeloma) F(ab) fragment can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Specific conditions should be optimized by the user.
Purity	HUMAN IgM (myeloma) F(ab) fragment was prepared from serum by a multi-step process which includes delipidation, selective precipitation, tandem molecular sieve chromatography and trypsin digestion followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum. No reaction was observed against anti-Human IgG F(c). Some light chain cross reactivity will occur with anti-Human IgG.
Storage Condition	Store vial at 4° C prior to opening. This product 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

IgM is by far the physically largest antibody in the human circulatory system. It is the first antibody to appear in response to initial exposure to antigen. The spleen is the major site of specific IgM production. Distinct heavy chains differ in size and composition; a and ? contain approximately 450 amino acids, while

and e have approximately 550 amino acids. Human IgM F(ab) mu is ideal for investigators involved in serum protein component research.