

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) \Box 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 NoteThis 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.