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Datasheet for 016-0107

Donkey IgM

Overview

Description:	Donkey IgM Whole Molecule - 016-0107
Item No.:	016-0107
Size:	1 mg
Applications:	SDS-PAGE
Origin:	Donkey

Product Details

Background:	Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Donkey IgM whole molecule is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Synonyms:	Donkey IgM whole molecule
Species of Origin:	Donkey
Format:	IgM
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum and anti-Donkey IgM (µ chain specific). No reaction was observed against anti-Donkey IgG F(c). Some light chain cross reactivity will occur with anti-Donkey IgG.

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Donkey IgM whole molecule has been tested by SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User optimized
WB:	User optimized

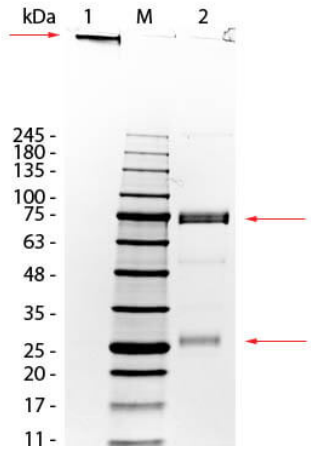
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.85 mg/mL by UV absorbance at 280 nm
Buffer:	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



SDS-PAGE

SDS-PAGE of Donkey IgM Whole Molecule. Lane 1: Donkey IgM, Non-Reduced. Lane 2: Donkey IgM, Reduced. Load: 1.0 µg per lane. Predicted/Observed size - Non-Reduced: 900 kDa (Pentamer), 900 kDa (Molecule larger than can pass through gel), Reduced: 78 and 25 kDa, 75 and 25 kDa.

Disclaimer

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