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Datasheet for 010-0502

Mouse IgG Alkaline Phosphatase

Overview

Description:	Mouse IgG Whole Molecule Alkaline Phosphatase Conjugated - 010-0502
Item No.:	010-0502
Size:	1 mg
Origin:	Mouse

Product Details

Background:	Mouse IgG purified protein (Immunoglobulin G) are antibody molecules. Mouse IgG is composed of four peptide chains — two heavy chains and two light chains. Mouse IgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. Mouse IgG typically constitutes 75% of serum immunoglobulins. Mouse IgG molecules are synthesized and secreted by plasma B cells. Ideal as a negative control for Flow Cytometry, Western blotting, immunoprecipitation and immunohistochemistry applications.
Synonyms:	alkaline phosphatase conjugated Mouse IgG, alk phos conjugated Mouse IgG Whole molecule
Species of Origin:	Mouse
Conjugate:	Alkaline Phosphatase (AP)
Format:	IgG
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by a process that includes delipidation and salt fractionation followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Mouse IgG and anti-Mouse Serum.

Application Details

Application Note:	Mouse IgG alkaline phosphatase can be used as a control for Flow Cytometry, Western blotting, immunoprecipitation and immunohistochemistry applications.

Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

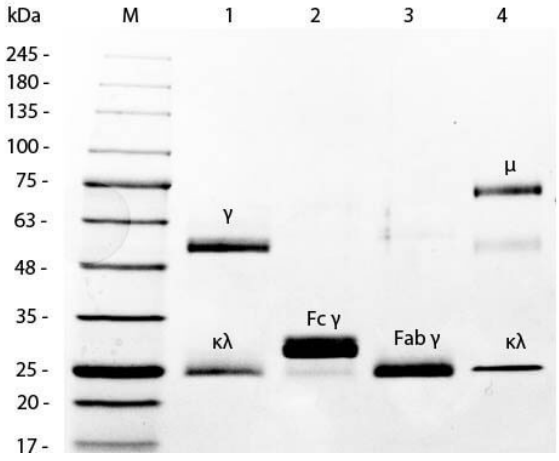
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



SDS-PAGE
SDS-PAGE of Mouse IgG Whole Molecule Rhodamine Conjugated (p/n 010-0002). MW: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Mouse IgG Whole Molecule Rhodamine Conjugated (p/n 010-0002). Lane 2: Reduced Mouse F(c) Fragment (p/n 010-0103). Lane 3: Reduced Mouse F(ab) Fragment (p/n 010-0105). Lane 4: Mouse IgM Kappa Myeloma Protein (p/n 010-001-033). Load: 1 µg per lane. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM K at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

Disclaimer

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