

RAT IgG whole molecule Alkaline Phosphatase conjugated - 012-0502

Code: 012-0502

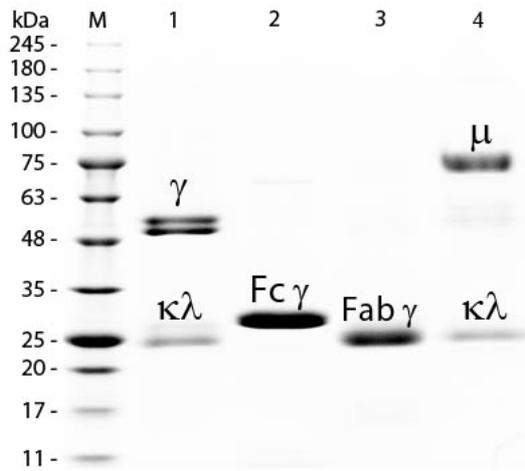
Size: 1 mg

Product Description: RAT IgG whole molecule Alkaline Phosphatase conjugated - 012-0502

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Alkaline Phosphatase (Calf Intestine)
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
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.
Synonyms	Rat IgG alkaline phosphatase conjugate, Rat IgG alk phos conjugate
Application Note	Rat IgG Alkaline Phosphatase Conjugated Whole Molecule Secondary Antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, as well as other antibody detection methods.
Background	Rat IgG Alkaline Phosphatase Conjugated Whole Molecule - secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.
Purity And Specificity	This product was prepared from normal serum by delipidation, salt fractionation, ion exchange chromatography followed by conjugation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat IgG, anti-Rat Serum and anti-Alkaline Phosphatase (calf intestine).
Expiration	Expiration date is one (1) year from date of opening.
Related Products	
	010-0102 MOUSE IgG whole molecule - 010-0102
	610-4302 Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
	611-1302 Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
	BSA-50 BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50
Images	
	1 SDS-PAGE of Rat IgG Whole Molecule Alkaline Phosphatase Conjugated (p/n 012-0502). Lane M: 3 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rat IgG Whole Molecule Alkaline Phosphatase Conjugated (p/n 012-0502). Lane 2: Reduced Rat IgG F(c) Fragment (p/n 012-0103). Lane 3: Reduced Rat IgG Fab Fragment (p/n 012-0105). Lane 4: Reduced Rat IgM Whole Molecule (p/n 012-0107). Load: 1 µg of IgG, F(c), Fab; 1.5 µg of IgM. Predicted/Observed size: IgG at 55 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 78 and 25 kDa. Observed F(c) Fragment migrates slightly higher.



Disclaimer

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