

DOG IgG F(ab')₂ fragment Rhodamine conjugated - 004-0004
Code: 004-0004

Size: 1 mg

Product Description: DOG IgG F(ab')₂ fragment Rhodamine conjugated - 004-0004

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

PhysicalState: Lyophilized

Label	Rhodamine (TRITC)
Emission Wavelength	570
Excitation Wavelength	550
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	Dog IgG F(ab') ₂ fragment Rhodamine conjugated, Dog IgG Fab ₂ fragment TRITC conjugated
Application Note	Dog IgG F(ab') ₂ fragment Rhodamine conjugated is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Background	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 opsinization for phagocytosis. This product possesses the F(ab') ₂ fragment, recognized by the two F(ab) fragments yielded from the digestion of the antibody below the disulfide bond hinge region.
Purity And Specificity	This product was prepared from normal serum by delipidation, salt fractionation, ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Dog IgG, anti-Dog IgG F(ab') ₂ and anti-Dog Serum. No reaction was observed against anti-Dog IgG F(c) or anti-Pepsin.
Assay Dilutions	User Optimized
Other Assays	User Optimized
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

Disclaimer

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