



DOG IgG Fab fragment Fluorescein conjugated - 004-0205

Code: 004-0205

Size: 1 mg

Product Description: DOG IgG Fab fragment Fluorescein conjugated - 004-0205

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

PhysicalState: Lyophilized

Label	Fluorescein (FITC)
Emission Wavelength	528
Excitation Wavelength	495
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 Fab fragment fluorescein conjugated, Dog IgG Fab fragment FITC conjugated
Application Note	Dog IgG Fab fragment Fluorescein 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 compliment cascade, and opsinization for phagocytosis. This product possesses 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 and ion change chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, 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-Papain.
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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