

Datasheet for 709-1210**F(ab')₂ Human (kappa chain) Antibody Fluorescein Conjugated****Overview**

Description:	Goat F(ab') ₂ Anti-Human κ (kappa chain) Antibody Fluorescein Conjugated - 709-1210
Item No.:	709-1210
Size:	1 mg
Applications:	Dot Blot, ELISA, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	F(ab') ₂ HUMAN kappa Antibody 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.
Synonyms:	Goat F(ab') ₂ Anti-Human κ (kappa chain) Antibody Fluorescein Conjugation, Goat F(ab') ₂ Anti-Human kappa chain FITC Conjugated Antibody
Host Species:	Goat
Specificity:	κ (kappa chain)
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG F(ab') ₂
F/P Ratio:	3.0

Target Details

Reactivity:	Human
Immunogen:	Human kappa light chain

Purity/Specificity:	F(ab') ₂ HUMAN kappa Antibody Fluorescein Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-Goat Serum, Human IgG and Human Serum. No reaction was observed against anti-Pepsin or anti-Goat IgG F(c). Specificity was confirmed by ELISA at less than 1% cross reactivity against other human heavy or light chain isotypes.
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Application Details

Tested Applications:	Dot Blot, ELISA, WB
Application Note:	F(ab') ₂ Human kappa Fluorescein Conjugated Antibody has been tested by ELISA, dot blot, and western blot and is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	1:500 - 1:2,500
FLISA:	1:10,000 - 1:50,000
IF:	1:1,000 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

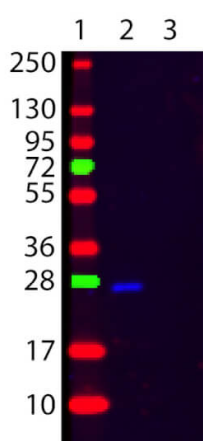
Shipping & Handling

Shipping Condition:	Ambient
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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.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Goat F(ab')₂ anti-Human κ (Kappa chain) Fluorescein Conjugated Secondary Antibody. Lane 1: Molecular Weight Marker. Lane 2: Human κ. Lane 3: Human λ. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Fluorescein goat F(ab')₂ anti-human kappa secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 25 kDa, 25 kDa for Human κ. Other band(s): None

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.