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Datasheet for 003-0303

Chicken IgG Fc Peroxidase

Overview

Description:	Chicken IgG Fc Fragment Peroxidase Conjugated - 003-0303
Item No.:	003-0303
Size:	1 mg
Applications:	SDS-PAGE
Origin:	Chicken

Product Details

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 opsonization for phagocytosis. This antibody possesses the F(c) region, recognized by high-affinity Fc receptor proteins.
Synonyms:	Chicken IgG F(c) fragment peroxidase conjugated, Chicken IgG F(c) fragment HRP conjugated, Chicken IgY F(c) fragment peroxidase conjugated, Chicken IgY F(c) fragment HRP conjugated
Species of Origin:	Chicken
Conjugate:	Peroxidase (HRP)
Format:	IgG Fc
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by delipidation, salt fractionation, ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti- Chicken IgG, anti-Chicken IgG F(c) and anti-Chicken Serum. No reaction was observed against anti-Chicken IgG F(ab')2 or anti-Papain.

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Chicken IgG F(c) fragment peroxidase conjugated has been tested by SDS-PAGE and 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

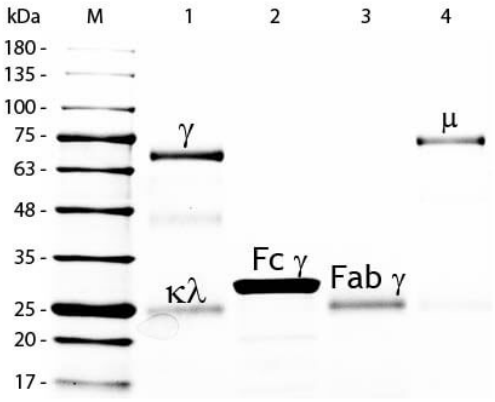
Formulation

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) Gentamicin Sulfate. Do NOT add 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
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



SDS-PAGE

SDS-PAGE of Chicken IgG/IgY Whole Molecule Rhodamine Conjugated (p/n 003-0002). Lane M: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Chicken IgG Whole Molecule Rhodamine Conjugated (p/n 003-0002). Lane 2: Reduced Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Reduced Chicken IgG Fab Fragment (p/n 003-0105). Lane 4: Reduced Chicken IgM Whole Molecule (p/n 003-0107). Load: 1 µg per lane. Predicted/Observed size: IgG at 72 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 75 kDa. Observed F(c) Fragment migrates slightly higher. Other bands: Chicken IgG heavy chain alternative splicing variant at approximately 40 kDa in Lane 1.

Disclaimer

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