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## Dog IgG F(c) Catalog # ASR3072

## **Product Information**

**Description** DOG IgG F(c) fragment

**Conjugate** Unconjugated

Physical State Liquid (sterile filtered)

Host Isotype IgG F(c)

**Buffer** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Species of Origin Dog Stabilizer None

**Preservative** 0.01% (w/v) Sodium Azide

## **Additional Information**

**Shipping Condition** Wet Ice

**Application Note** Dog IgG F(c) Fragment can be utilized as a control or standard reagent in

Western Blotting and ELISA experiments. Dog IgG F(c) Fragment is stable at 4° C prior to restoration. It is recommended to aliquot restored Dog IgG F(c) Fragment and store at -20° C for extended storage and to prevent repeated

freeze-thaw cycles.

**Purity** Dog IgG F(c) Fragment was prepared from normal serum by a multi-step

process which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Dog IgG F(c) Fragment was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Dog Serum, anti-Dog IgG and anti-Dog IgG F(c). No

reaction was observed against anti-Dog IgG F(ab')2 or anti-Papain.

**Storage Condition** Store vial at 4° C prior to opening. This product is stable 4° C as an undiluted

liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below.

Avoid cycles of freezing and thawing.

**Precautions Note**This product is for research use only and is not intended for therapeutic or

diagnostic applications.

## **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. The F(c) fragment binds with very high affinity to the Fc receptor proteins on phagocytic leukocytes. When digested from the whole antibody molecule, the F(c) fragment no longer posses the epitope recognition site.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.