Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 608-1103

Horse IgG Fc Antibody

Overview

Description:	Goat Anti-Horse IgG Fc Antibody - 608-1103
Item No.:	608-1103
Size:	2 mg
Applications:	Dot Blot, ELISA, IHC
Reactivity:	Horse
Host Species:	Goat

Product Details

Background:	Horse IgG F(c) antibody generated in goat recognizes the F(c) portion of horse IgG. It is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of horse IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. Anti-Horse IgG F(c) antibody is ideal for investigators involved in serum component protein research.
Synonyms:	goat Anti-Horse IgG F(c) Antibody, goat Anti-Horse IgG Fc Fragment Antibody
Host Species:	Goat
Specificity:	IgG Fc
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Horse
Immunogen:	Horse IgG F(c) fragment
Purity/Specificity:	Anti-Horse IgG F(c) was prepared from monospecific antiserum by immunoaffinity chromatography using Horse IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Horse IgG, Horse IgG F(c) and Horse Serum. No reaction was observed against Horse IgG F(ab).

Application Details

Tested Applications:	Dot Blot, ELISA
Suggested Applications:	IHC (Based on references)
Application Note:	Anti-Horse IgG F(c) antibody has been tested by ELISA and dot blot and is suitable for Western Blot and Immunohistochemistry applications. Antibody should be optimized by end user for specific reactive conditions.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.21 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:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

Immunohistochemistry
Paraffin wax-embedded and hematoxylin-stained sections were used to confirm the absence of pathological changes by light microscopy. For immunohistochemistry, 3–4 µm sections were placed on coated slides and dried to enhance tissue adherence. Antigen retrieval was performed on deparaffinized and rehydrated sections by heating in citrate buffer (pH 6). Primary antibody: Anti-Horse IgG F(c) goat antibody 608–1103 (dilution 1:30 000), Negative control: Horse IgG F(c) fragment 008–0103 (dilution 1:30 000). Immunohistochemically stained equine cornea. The signal intensity scores were epithelium: 0, stroma: 2, DM: 0, and endothelium: 2. Fig 4. PMID: 35239261.

References

- Herb VM et al. Immunohistochemical staining of immunoglobulin G in healthy equine, canine, and feline corneas. *Vet Opthalmol.* (2022)

Disclaimer