

Datasheet for 605-4104

Goat IgG F(ab')₂ Antibody**Overview**

Description:	Rabbit Anti-Goat IgG F(ab') ₂ Antibody - 605-4104
Item No.:	605-4104
Size:	2 mg
Applications:	ELISA
Reactivity:	Goat
Host Species:	Rabbit

Product Details

Background:	Anti-Goat IgG F(ab') ₂ Antibody generated in rabbit is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab') ₂ molecules lack the Fc portion of IgG and therefore receptors that bind goat IgG F(c) will not bind goat IgG F(ab') ₂ molecules.
Synonyms:	rabbit anti-Goat IgG F(ab') ₂ Antibody, rabbit anti-Goat IgG Fab2 Antibody, rabbit anti-Goat IgG Fab2 fragment
Host Species:	Rabbit
Specificity:	IgG F(ab') ₂
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Goat
Immunogen:	Goat IgG F(ab') ₂ fragment
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Goat IgG, Goat IgG F(ab') ₂ and Goat Serum. No reaction was observed against Goat IgG F(c).

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Goat IgG F(ab') ₂ antibody has been tested by ELISA and is suitable for western blot and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:275,000
IHC:	1:1,000 - 1:5,000
WB:	1:5,000 - 1:25,000

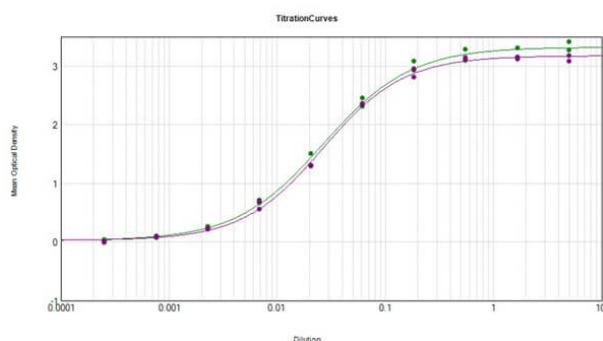
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.6 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



ELISA

ELISA Results of Rabbit Anti-Goat IgG F(ab')₂ Antibody tested against purified Goat IgG F(ab')₂. Each well was coated in duplicate with 1.0 µg of Goat IgG (p/n 005-0102) [Green Line] and Goat IgG F(ab')₂ (p/n 005-0104) [Purple Line]. The working dilution is 1:38,000. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log₁₀ of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC₅₀ is defined as the titer of the antibody. Assay performed using HRP Conjugate Stabilizer (p/n MB-076) Donkey Anti-Goat IgG HRP conjugated (p/n 605-703-125) and TMB substrate (p/n TMBE-1000).

Disclaimer

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