

Datasheet for 811-1102**Fab Rabbit IgG (H&L) Antibody****Overview**

Description:	Goat Fab Anti-Rabbit IgG (H&L) Antibody - 811-1102
Item No.:	811-1102
Size:	1 mg
Applications:	Dot Blot, IF
Reactivity:	Rabbit
Host Species:	Goat

Product Details

Background:	Fab Anti-Rabbit IgG (H&L) Antibody generated in goat detects immunoglobulin g from rabbit, both heavy and light chains of the antibody molecule are present. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Synonyms:	Goat Fab Anti-Rabbit IgG Antibody, Goat Fab Fragment Anti-Rabbit IgG Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG Fab

Target Details

Reactivity:	Rabbit
Immunogen:	Rabbit IgG whole molecule

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum. No reaction was observed against anti-Papain or anti-Goat IgG F(c).
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Application Details

Tested Applications:	Dot Blot
Suggested Applications:	IF (Based on references)
Application Note:	Fab Anti-Rabbit IgG (H&L) Antibody has been tested by dot blot and is suitable for highly specific immunological methods 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.
ELISA:	1:4,000 - 1:20,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

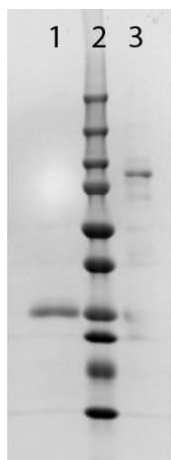
Formulation

Physical State:	Liquid (sterile filtered)
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:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable 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 Fab Anti-RABBIT IgG (GOAT) Antibody. Lane 1: 1x Reduced, Fab Anti-RABBIT IgG Antibody. Lane 2: Molecular Weight Ladder. Lane 3: 1x Non-Reduced, Fab Anti-RABBIT IgG Antibody. 4-20% Lonza SDS-PAGE; Coomassie Stained.

References

- Suiwal, S et al. Ciliary Proteins Repurposed by the Synaptic Ribbon: Trafficking Myristoylated Proteins at Rod Photoreceptor Synapses. *International Journal of Molecular Sciences* (2022)
- Michinaga S. et al. Endothelin receptor antagonists alleviate blood-brain barrier disruption and cerebral edema in a mouse model of traumatic brain injury: A comparison between bosentan and ambrisentan. *Neuropharmacology* (2020)
- Dembla et al. Early auto-immune targeting of photoreceptor ribbon synapses in mouse models of multiple sclerosis. *EMBO Molecular Medicine* (2018)

Disclaimer

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