



Goat anti-Hamster IgG (H+L) Secondary Antibody, Alexa Fluor® 488

Catalog Number: nAP-20701A

Size: 200 µg

Host Species: Goat

Clonality: Polyclonal

Conjugate: Alexa Fluor® 488

Product Overview

The Goat anti-Hamster IgG (H+L) Secondary Antibody, Alexa Fluor® 488 is a high-quality polyclonal antibody raised in goat against purified Armenian hamster immunoglobulin. The antibody specifically recognizes hamster IgG heavy and light chains and can be used to detect hamster primary antibodies in a variety of immunodetection assays.

The antibody is affinity-purified and conjugated to Alexa Fluor® 488, providing bright green fluorescence with excellent photostability for microscopy and flow cytometry applications.

Product Information

Parameter	Specification
Catalog Number	nAP-20701A
Product Name	Goat anti-Hamster IgG (H+L) Secondary Antibody
Host Species	Goat
Target Species	Armenian Hamster
Antibody Type	Secondary Antibody
Clonality	Polyclonal
Conjugate	Alexa Fluor® 488
Size	200 µg
Formulation	Lyophilized antibody in PBS

Immunogen

Purified Armenian hamster IgG.

Purification

The IgG fraction of the immune serum is purified by **antigen-affinity chromatography**, ensuring high specificity and minimal background staining.

Specificity

By **immunoelectrophoresis and ELISA**, this antibody reacts specifically with Armenian hamster IgG. It also recognizes light chains present in other hamster immunoglobulins and may exhibit limited cross-reactivity with IgG from other species.

Applications

This antibody has been validated for the following applications:

- Immunocytochemistry (ICC)
- Immunofluorescence (IF)
- Flow Cytometry (FC)
- Other fluorescence-based detection assays

Alexa Fluor® 488 provides strong fluorescence emission (~519 nm), enabling sensitive detection in imaging and cytometry experiments.

Reconstitution

Reconstitute the lyophilized antibody with:

200 µL sterile PBS

Resulting concentration:

1 mg/mL

After reconstitution, aliquot the antibody to avoid repeated freeze-thaw cycles.

Storage and Stability

- Lyophilized antibody: store at **-70 °C** for long-term storage.
- Stable for **up to 2 years** when stored as recommended.
- Reconstituted antibody: store at **≤ -20 °C** for up to **6 months** without detectable loss of activity.
- Avoid repeated freeze-thaw cycles.

Recommended Controls

- Hamster IgG primary antibody control
- Secondary-only negative control
- Known hamster IgG positive sample

Research Use Statement

For **Research Use Only (RUO)**.

Not intended for diagnostic or therapeutic procedures.

Ordering Information

Catalog Number	Product	Size
nAP-20701A	Goat anti-Hamster IgG (H+L), Alexa Fluor 488	200 µg