

Datasheet for D104-00-0050**Goat Serum (sterile)****Overview**

Description:	Goat Serum (Sterile) - D104-00-0050
Item No.:	D104-00-0050
Size:	50 mL
Applications:	IF, IHC
Origin:	Goat

Product Details

Background:	Goat Serum is used as a supplement to cell culture media. Goat Serum provides a broad spectrum of macromolecules, carrier proteins for lipoid substances and trace elements, attachment and spreading factors, low molecular weight nutrients, and hormones and growth factors that promote cell growth and health. Be certain to maintain Good Cell Culture Practice, and maintain sterility of cultures that require media supplementation.
Synonyms:	Goat serum for cell culture, cell culture grade goat serum, sterile serum from goat.
Species of Origin:	Goat

Application Details

Suggested Applications:	IF, IHC (Based on references)
Application Note:	pH: normal Immunoelectrophoresis: normal Hemoglobin: normal IgG Concentration: normal
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Tissue Data

Tissue Type:	Serum
Sex:	Mixed
Strain:	Goat - Mixed

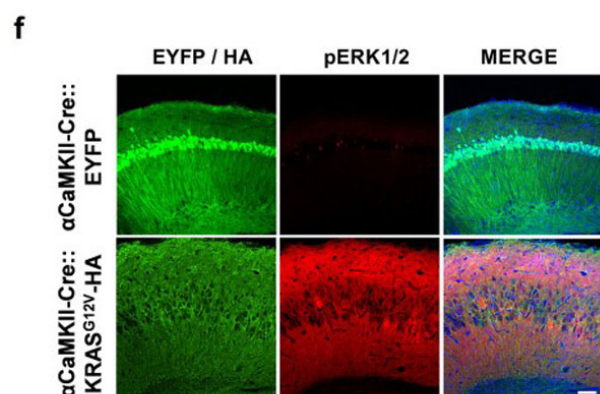
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	85 mg/mL by Refractometry
Buffer:	None
Sterility:	Sterile
Preservative:	None
Stabilizer:	None

Shipping & Handling

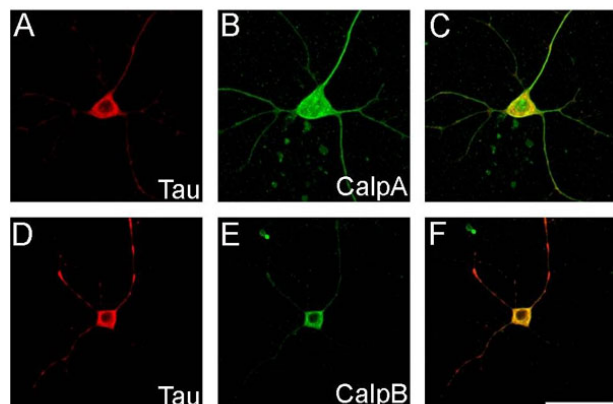
Shipping Condition:	Dry Ice
Storage Condition:	Store container at -20° C prior to opening. Avoid cycles of freezing and thawing. Use aseptic technique to maintain sterility when opening product.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Ectopic expression of KRASG12V in excitatory neurons impairs spatial memory and induces ERK activation. (f) Representative images of immunohistochemistry from slices expressing EYFP or KRASG12V in excitatory neurons. Slices were immunostained for HA (green), p-ERK1/2 (red), and DAPI (blue). Scale bar = 80 μm. Brain sections were washed with PBS and transferred into the blocking solution [0.2% Triton-X 100 and 4% goat serum (p/n D104-00-0050) in PBS] for 1 h at room temperature. Figure 3. PMID: 33082413.



Immunohistochemistry

Colocalization of tau and calpain in *Drosophila* neurons. Neuronal cells cultured from late 3rd instar larvae expressing tauWT were stained for tau in red (A and D), calpain A and calpain B in green (B and E, respectively), with colocalization shown in yellow (C and F). The expression pattern of calpain A and B was similar to that of tau, with the primary site of colocalization in the neuronal cell body. Cells were blocked for 30 minutes at room temperature in PBT plus 0.2% bovine serum albumin and 5% normal goat serum (p/n D104-00-0050). Scale bar = 5 μ M. Figure 1. PMID: 21858230.



Bottle

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References

- Pressly BB et al. Adeno-Associated Viral Vector Immobilization and Local Delivery from Bare Metal Surfaces. *Methods Mol Biol.* (2022)
- Ryu HH et al. Neuron type-specific expression of a mutant KRAS impairs hippocampal-dependent learning and memory. *Sci Rep.* (2020)
- Rappa et al. Ethanol induces upregulation of the nerve growth factor receptor CD271 in human melanoma cells via nuclear factor- κ B activation. *Oncology Letters* (2015)
- Reinecke JB et al. Implicating calpain in tau-mediated toxicity in vivo. *PloS One* (2011)

Disclaimer

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