



Mouse Anti-Human GFAP

Cat. No.	Format	Size
12070-01	Purified (UNLB)	0.5 mg

Overview

Clone	SB61a
Isotype	Mouse (BALB/c) IgG ₁ κ
Immunogen	Recombinant human GFAP
Specificity	Human GFAP
Alternate Name(s)	Glial fibrillary acidic protein, intermediate filament protein

Description

Glial fibrillary acid protein (GFAP) is a member of the type III intermediate filament family of proteins. GFAP is heavily expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non-myelinating Schwann cells in peripheral nerves. It is closely related to its non-epithelial family members, vimentin, desmin, and peripherin, which are all involved in the structure and functions of the cell's cytoskeleton. GFAP is thought to help to maintain astrocyte mechanical strength, as well as the shape of cell; however, its precise function remains poorly understood. In adults, GFAP levels increase in response to the proliferation of astrocytes associated with Alzheimer's disease, epilepsy, and multiple sclerosis. Antibodies specific for GFAP are useful as markers of astrocytic cells and neural stem cells as well as for distinguishing neoplasms of astrocytic origin from other neoplasms in the central nervous system.

Applications

ICC – Quality tested
ELISA-Capture – Quality tested

Note – May be paired with the biotinylated clone SB61b (SB Cat. No. 12075-08) in a sandwich ELISA

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

Handling and Storage

- The purified antibody (UNLB) is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- Reagent is stable for the period shown on the label if stored as directed.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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