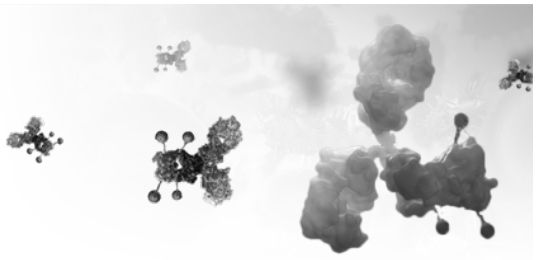

Mouse Anti-Human Glial Fibrillary Acid Protein monoclonal antibody, clone TC62b [Biotin] (DMAB8353MB)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Human GFAP; Mouse GFAP
Immunogen	Recombinant human GFAP
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human, Mouse
Clone	TC62b
Purification	Purified
Conjugate	Biotin
Applications	ICC, IHC, WB, ELISA(Det)
Format	Liquid
Concentration	Lot specific
Size	500 µg
Buffer	50% Glycerol, 50% Phosphate buffered saline, pH 7.4
Storage	Store at 2-8°C.
Ship	Wet ice

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

BACKGROUND

Introduction	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.
Keywords	Glial fibrillary acidic protein;intermediate filament protein

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221