RayBiotech, Inc.
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Certificate of Analysis and DataSheet

Monoclonal Anti Glial Fibrillary Acidic Protein (GFAP)

Catalog No.	Species	Isotype
MD-14-0323	Human	IgG_1 kappa

Preparation

Host Animal: Mouse
Source: Ascites
Immunogen: Purified Glial Fibrillary Acidic Protein (GFAP)
Purification: ≥90% pure (SDS-PAGE). Protein A chromatography. Product is 0.2µm filtered.

Specificity

Glial Fibrillary Acidic Protein (GFAP). GFAP is an intermediate filament making up the cytoplasmic support structure within glial cells and is found in normal cells. It is commonly used to mark astrocytes and glial related tumors.

Formulation

Format: Purified, Liquid
Concentration: 1.1mg/ml (OD280nm, $E^{0.1\%} = 1.4$)
Affinity Constant: Not determined
Buffer: 10mM Phosphate, pH 7.4 containing 150mM Sodium chloride
Preservative: 0.1% Sodium Azide

Storage

Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at <-40°C.
If aliquotted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used.
Avoid repeated freeze/thaw cycles.

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Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistochemistry	.			
EIA			.	
Flow Cytometry			.	
Immunofluorence staining			.	
Competitive RIA			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.