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CERTIFICATE OF ANALYSIS

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: H86504M **Lot #:** 1J30522

Description: MAb to Glyceraldehyde-3-PDH
Monoclonal Antibody to Glyceraldehyde-3-PDH (GAPDH)

Specificity: Recognizes GAPDH monomer (36 kDa) and the dimer form. Does not react with the tetrameric form. Reacts with GAPDH from fish, frog, chicken, rabbit, pig, dog, cat, rat, mouse and human skeletal muscle. Does not react with GAPDH from yeast, bovine and goat.

Host Animal: Mouse **Isotype:** IgG_1

Source: Cell Culture

Immunogen: Purified rabbit muscle GAPDH (whole molecule).

Format: Purified, Liquid

Purification: > 90% pure (SDS-PAGE). Protein A Chromatography

Concentration: 5.3 mg/mL (OD280nm, $E^{0.1\%} = 1.4$)

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: 0.09% Sodium Azide

Application: Suitable for use in ELISA, IFA, Western Blot and Immunocytochemistry. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Recommended pairs for sandwich immunoassay:

Capture	Detection
H86504M	H86903M
H86504M	H86045M

Storage: Store at 2–8°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References:

The references listed below are for research purposes only:

1 Dickey, C.A. et al., (2006), "Deletion of the Ubiquitin Ligase CHIP Leads to the Accumulation, But Not the Aggregation, of Both Endogenous Phospho-and Caspase-3-Cleaved Tau Species", The Journal of Neuroscience, **26**(26):6985-6996.

2 Mackenzie, I.R., et al., (2006), "A family with tau-negative frontotemporal dementia and neuronal intranuclear inclusions linked to chromosome 17", Brain, **129**:853-867.

3 Satpathy, M., et al., (2007), "Enhanced Peritoneal Ovarian Tumor Dissemination by Tissue Transglutaminase", Cancer Res., **67**(15): 7194-7202.

4 Vozenin-Brotons, M.C., et al., (2003), "Fibrogenic signals in patients with radiation enteritis are associated with increased connective tissue growth factor expression", Int. J. Radiation Oncology Biol. Phys., **56**(2): 561–572.

5 Kots, A.Y., et al., (1992), "Nitroprusside stimulates the cysteine-specific mono (ADP-ribosylation) of glyceraldehyde-3-phosphate dehydrogenose from human erythrocytes", FEBS letters, **300**: 9–12.

Quality Signature: 01 Nov 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY