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Certificate of Analysis

**PRODUCT: Anti human Hepatocyte nuclear factor 4 alpha (HNF4)
mouse monoclonal antibody**

CATALOG: PP-H6939-00

LOT #: A-2

Concentration: 1 mg/ml

Amount: 100 micro gram

Volume: 100 micro L

Buffer: Physiological saline with 0.1% NaN₃ as a preservative

Antigen: Synthetic peptide derived from human HNF4 (1-16 a.a.)

Isotype: Mouse G1

Purification Method: Ammonium sulfate fractionation

Tested Applications: Western Blot, Immunoprecipitation,
Immunohistochemistry,

Storage conditions: Store at +4°C short term (1-4 weeks),
at -20°C or less long term.

Stable for 12months at -20°C

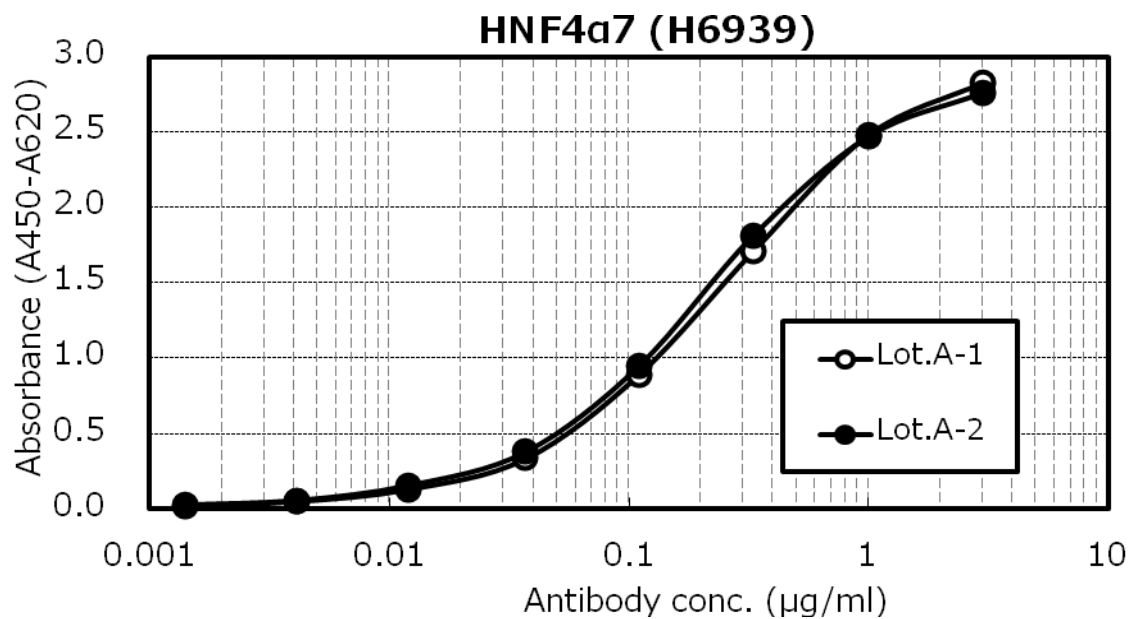
Avoid freeze / thaw cycle.

*Optimal dilutions should be determined by each laboratory for each application.
Intended for Research Use Only. Not for use in Diagnostic Procedures.*

Validation Data

Method: Each 1micro gram per well of antigen was coated on an ELISA plate for overnight at 4 . Blocking with non-fat dry milk incubated for one hour at room temperature. After washing plate, Serial diluted antibody solution was loaded on each well at room temperature. Washed Plate was incubated with HRP conjugated anti-mouse IgG (Amersham, 1:15,000), then washed and visualized with TMB reagent.

Result: Lot A-2 is evaluated as the same reactivity with old Lot A-1.



| antibody conc. (ng/ml) | n = 2 | |
|------------------------------|---------|-------|
| | Lot No. | |
| | A-1 | A-2 |
| 1 | 0.025 | 0.029 |
| 4 | 0.055 | 0.059 |
| 12 | 0.135 | 0.158 |
| 37 | 0.339 | 0.381 |
| 111 | 0.896 | 0.952 |
| 333 | 1.715 | 1.818 |
| 1000 | 2.487 | 2.477 |
| 3000 | 2.834 | 2.766 |