

MAE038Hu27

Monoclonal Antibody to Neurofilament, Light Polypeptide (NEFL)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: D3

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: N/A

Applications: ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant NEFL (Ala381~Asp543) expressed in *E.coli*

Accession No.: RPE038Hu02

[APPLICATIONS]

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 10µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

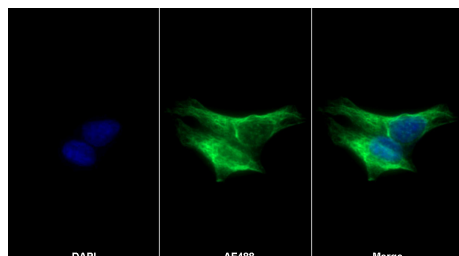
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



AF488 staining on IF;

Sample: SH-SY5Y cell

Primary Ab: 20µg/ml Mouse Anti-

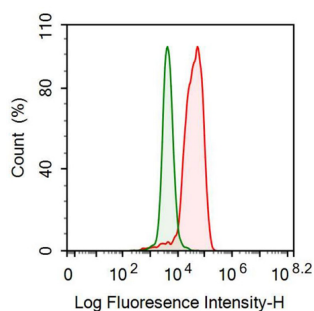
Human NEFL Antibody

Second Ab: 2µg/ml AF488-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu11)



Human SH-SY5Y cell line was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.2% BSA-Triton X-100, then stained with 10µg/ml mouse Anti-human NEFL Monoclonal Antibody (Catalog MAE038Hu27, red histogram) or Isotype control antibody (Catalog IS067-Mu01, green histogram), followed by 1µg/ml FITC-conjugated Anti-mouse IgG Secondary Antibody (Catalog SAA544Mu18).

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.