

Product Information

Name	Anti NSE monoclonal antibody
Target	neuron-specific enolase, NSE
Target Species	Human
Target Description	NSE is currently the most reliable tumour marker in diagnosis, prognosis and follow-up of small cell lung cancer (SCLC), and can be of value in diagnosis, staging and treatment of related neuroendocrine tumours (NETs).
Host	Mouse
Product Description	Monoclonal antibody produced by <i>in vitro</i> cell culture under conditions free from animal-derived components
Conjugation	Unconjugated/AP/AE/HRP
Catalog #	1010201/1010201(AP/AE/HRP)
Solution	Saline solution, pH 6.5-7.5 with preservative
Appearance	Clear, transparent liquid, colorless or slightly yellow
Storage	2-8°C
Purity	>95%
Subclass	IgG1, kappa
Affinity (K_{aff})	>10 ⁹ L/mol
LoB	User Guide
Specificity	Positive: / Negative: TSH, TG, HSA
Epitope	ND
Applications	<input type="checkbox"/> ELISA <input checked="" type="checkbox"/> CLIA <input type="checkbox"/> GICA <input type="checkbox"/> FIA <input type="checkbox"/> IHC
Pair Recommendations	<input type="checkbox"/> Capture <input checked="" type="checkbox"/> Detection Pairable with #1010101
Stability	2 years
Concentration	2.0 mg/mL (+/-10%) or marked on the vial
Lot #	_____
References	

User Guide

Catalog # 1010

Lot # _____

CLIA

Antigen Identification

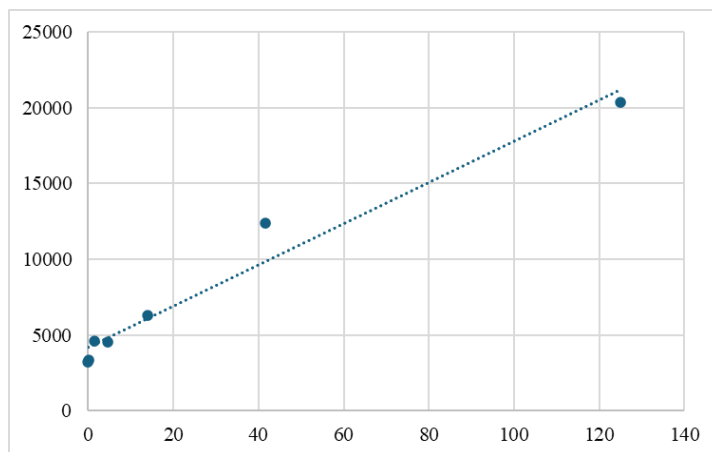
The antigen adopted in the following assays is a widely recognized clinical applied product obtained commercially.

Procedure

1. Mix 20 μ L serially diluted antigen or serum samples with 20 μ L (diluted to working conc. 50T/mL) capture reagent of 1010101(B) and 20 μ L 0.6mg/mL streptavidin-conjugated magnetic beads. Incubate with stir at 37 $^{\circ}$ C for 30 minutes.
2. Add 50 μ L (diluted to working conc. 20T/mL) detection reagent of 1010201(AP). Incubate with stir at 37 $^{\circ}$ C for 30 minutes.
3. Measure the relative light unit (RLU) of each reaction with a clinical approved chemiluminescence analyzer.

Measuring Range

The linear measuring range is 0.17-125ng/mL ($R^2>0.99$).



Limit of Blank* *Follow the Guideline EP17 published by Clinical and Laboratory Standards Institute (CLSI)

Sample tested: blank samples. Tests: 20.

The LoB is <0.12ng/mL.

Limit of Detection* *Follow the Guideline EP17 published by Clinical and Laboratory Standards Institute (CLSI)

Sample tested: low concentration samples. Tests: 20.

The LoD is 0.17ng/mL.

Specificity

The assay shows no cross-reactivities when detecting antigens as follows: TSH at a tested conc. of 1000ng/mL, TG at a tested conc. of 1000ng/mL, human serum albumin at a tested conc. of 100mg/mL.

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