

## Human NSE Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0059	<b>Applications</b>	ELISA
<b>Synonyms</b>	ENO2, HEL-S-279, NSE, Enolase 2		

### Kit components & Storage

Title	Specifications	Storage
Human NSE Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human NSE Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

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

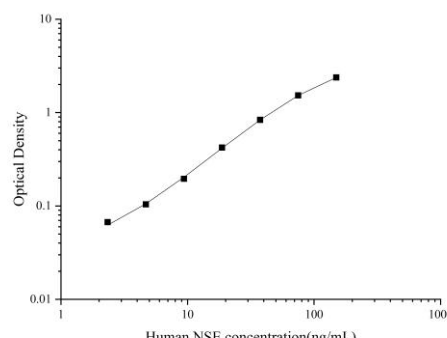
### Product Information

Items		Characteristic (E-KAB-0059)	
		Human NSE Capture Antibody	Human NSE Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human NSE protein	Recombinant Human NSE protein
	Swissprot	P09104	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human NSE in ELISAs.	

### For Research Use Only

## Applications

### Human NSE Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4μg/mL	Human NSE Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human NSE concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>1</td><td>0.05</td></tr><tr><td>2</td><td>0.1</td></tr><tr><td>5</td><td>0.2</td></tr><tr><td>10</td><td>0.4</td></tr><tr><td>20</td><td>0.8</td></tr><tr><td>50</td><td>1.5</td></tr><tr><td>100</td><td>2.5</td></tr><tr><td>200</td><td>4.0</td></tr></tbody></table>	Human NSE concentration (ng/mL)	Optical Density	1	0.05	2	0.1	5	0.2	10	0.4	20	0.8	50	1.5	100	2.5	200	4.0
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ELISA Detection	1:1000-1:10000	Human NSE Detection Antibody (Biotin)																			

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

Enolases are cytoplasmic glycolytic enzymes that may be involved in differentiation. Three enolase isoenzymes, alpha, beta and gamma, are present in mammalian cells. The alpha form is expressed in most tissues, whereas the beta form is expressed in muscle tissue. The gamma enolase (ENO2), a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development.

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