

Datasheet for ABIN4881503
ERBB3 ELISA Kit



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Overview

Quantity:	96 tests
Target:	ERBB3
Reactivity:	Dog
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Custom Canine (dog) Receptor Tyrosine Protein Kinase ErbB3 (ErbB3) ELISA Kit.
Sample Type:	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Canine Receptor Tyrosine Protein Kinase ErbB3 (ErbB3)
Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data
Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard

Product Details

- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 μL to 1 μL volumes
- Adjustable 1-25 μL pipettes for reagent preparation
- 100 μL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: ERBB3

Alternative Name: ErbB3 ([ERBB3 Products](#))

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Sample Volume: 100 μL

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 μL of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}\text{C}$.
4. Add 100 μL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 μL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μL of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 6 months