

Datasheet for ABIN5526754
TMSB4X ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	96 tests
Target:	TMSB4X
Reactivity:	Human, Rat, Mouse
Method Type:	Competition ELISA
Detection Range:	0.1-1.000 ng/mL
Minimum Detection Limit:	0.1 ng/mL
Application:	ELISA

Product Details

Purpose:	Human/Mouse/Rat Thymosin beta-4 EIA Kit optimized for serum, plasma and cell culture media. Competition-based ELISA on a 96-well strip plate.
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This EIA kit is designed to detect human, mouse, and rat Thymosin-b4
Sensitivity:	1.1 ng/mL
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

Product Details

Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Standard Peptide• Assay Diluent(s)• Biotinylated Peptide• HRP-Streptavidin• TMB One-Step Substrate• Stop Solution• Assay Diagram• Positive Control Sample• Capture Antibody• User Manual
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 µL to 1 mL volumes• Adjustable 1-25 mL pipettes for reagent preparation• 100 mL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Orbital shaker• Aluminum foil• Saran Wrap• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• SigmaPlot software (or other software that can perform four-parameter logistic regression models)
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Target Details

Target:	TMSB4X
Alternative Name:	Thymosin beta-4 (TMSB4X Products)
Gene ID:	7114
UniProt:	P62328
Pathways:	Regulation of Actin Filament Polymerization , Regulation of Muscle Cell Differentiation , Maintenance of Protein Location , Smooth Muscle Cell Migration

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated

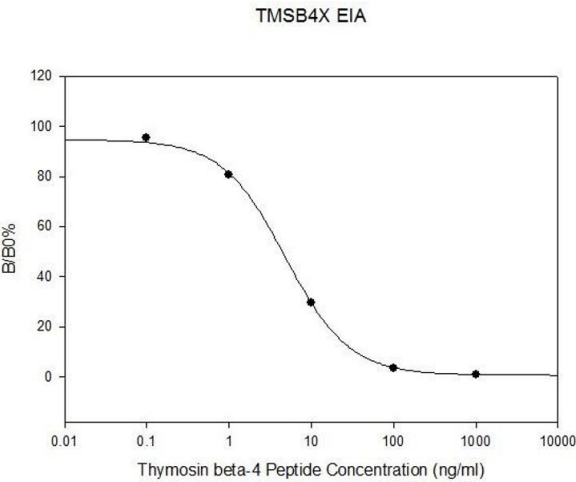
Application Details

Protocol:	<div><div>1. Prepare all reagents, samples and standards as instructed.</div><div>2. Add 100 µL detection antibody to each well.</div><div>3. Incubate 1.5 h at RT or O/N at 4 °C.</div><div>4. Add 100 µL standard or sample to each well.</div><div>5. Incubate 2.5 h at RT.</div><div>6. Add 100 µL prepared streptavidin solution.</div><div>7. Incubate 45 min at RT.</div><div>8. Add 100 µL TMB One-Step Substrate Reagent to each well.</div><div>9. Incubate 30 min at RT.</div><div>10. Add 50 µL Stop Solution to each well.</div><div>11. Read plate at 450 nm immediately.</div></div>
Reagent Preparation:	Recommended Dilution for serum and plasma samplesHuman: 2x / Mouse: 2x / Rat: 2x
Restrictions:	For Research Use only

Handling

Storage:	-20 °C
Storage Comment:	Standard, biotinylated peptide, and positive control should be stored at -20°C after arrival. Avoid multiple freeze-thaws. The remaining kit components may be stored at 4°C. Opened microplate wells and antibody (Item N) may be stored for up to 1 month at 2° to 8°C. Return unused wells to the pouch containing desiccant pack and reseal along entire edge.
Expiry Date:	6 months

Images



ELISA

Image 1. Standard Curve