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## Datasheet for ABIN6730561 YWHAE ELISA Kit



Overview

Quantity:	96 tests
Target:	YWHAE
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.34 ng/mL - 80 ng/mL
Minimum Detection Limit:	0.34 ng/mL
Application:	ELISA

#### Product Details

Purpose:	Human YWHAE ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes Human YWHAE.
Characteristics:	<ul> <li>Strip plates and additional reagents allow for use in multiple experiments</li> <li>Quantitative protein detection</li> <li>Establishes normal range</li> <li>The best products for confirmation of antibody array data</li> </ul>
Components:	<ul> <li>Pre-Coated 96-well Strip Microplate</li> <li>Wash Buffer</li> <li>Stop Solution</li> </ul>

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	<ul> <li>Assay Diluent(s)</li> <li>Lyophilized Standard</li> <li>Biotinylated Detection Antibody</li> <li>Streptavidin-Conjugated HRP</li> <li>TMB One-Step Substrate</li> </ul>
Material not included:	Distilled or deionized water
	<ul> <li>Precision pipettes to deliver 2 µl to 1 µl volumes</li> </ul>
	<ul> <li>Adjustable 1-25 µl pipettes for reagent preparation</li> </ul>
	<ul> <li>100 µl and 1 liter graduated cylinders</li> </ul>
	Tubes to prepare standard and sample dilutions
	Absorbent paper
	<ul> <li>Microplate reader capable of measuring absorbance at 450nm</li> </ul>
	Log-log graph paper or computer and software for ELISA data analysis

#### Target Details

Target:	YWHAE
Alternative Name:	YWHAE (YWHAE Products)
UniProt:	P62258
Pathways:	Neurotrophin Signaling Pathway, Myometrial Relaxation and Contraction, M Phase

### Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual.
	2. Add 100 $\mu$ l of standard or sample to each well.
	3. Incubate 2.5 h at RT or O/N at 4°C.
	4. Add 100 $\mu$ l of prepared biotin antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 $\mu$ l 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.
Reagent Preparation:	Recommended Dilution for serum and plasma samples2 fold
Restrictions:	For Research Use only

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Handling	
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

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