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## Datasheet for ABIN625177 beta-Thromboglobulin ELISA Kit

1 Image

5 Publications



#### Overview

Quantity:	96 tests
Target:	beta-Thromboglobulin (beta-TG)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	14-8000 pg/mL
Minimum Detection Limit:	14 pg/mL
Application:	ELISA

## Product Details

Purpose:	Mouse TCK-1 (CXCL7) ELISA Kit for cell culture supernatants, plasma, and serum samples.	
Sample Type:	Plasma, Cell Culture Supernatant, Serum	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Specificity:	This ELISA kit shows no cross-reactivity with the following cytokines tested: Mouse CD30, L CD30, T CD40, CRG-2, CTACK, CXCL16, Eotaxin , Eotaxin-2, Fas Ligand, Fractalkine, GCSF, GM- CFS, IFN- gamma, IGFBP-3, IGFBP-5, IGFBP-6, IL-1 alpha, IL-1 beta, IL-2, IL-3, IL-3 Rb, IL-4, IL-5, IL-9, IL-10, IL-12 p40/p70, IL-12 p70, IL-13, IL-17, KC, Leptin R, LEPTIN(OB), LIX, L-Selectin, Lymphotactin, MCP-1, MCP- 5, M-CSF, MIG, MIP-1 alpha, MIP-1 gamma, MIP-2, MIP-3 beta, MIP-3 alpha, PF-4, PSelectin, RANTES, SCF, SDF-1 alpha, TARC, TCA-3, TECK, TIMP-1, TNF RI, TNF RII, TPO, VCAM-1, VEGF.	
Sensitivity:	14 pg/mL	

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#### Product Details

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:	Pre-Coated 96-well Strip Microplate
	• Wash Buffer
	Stop Solution
	<ul> <li>Assay Diluent(s)</li> </ul>
	Lyophilized Standard
	Biotinylated Detection Antibody
	Streptavidin-Conjugated HRP
	TMB One-Step Substrate
Material not included:	Distilled or deionized water
	- Precision pipettes to deliver 2 $\mu$ L to 1 $\mu$ L volumes
	<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
	Microplate reader capable of measuring absorbance at 450nm
	<ul> <li>Log-log graph paper or computer and software for ELISA data analysis</li> </ul>

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Target:	beta-Thromboglobulin (beta-TG)	
Alternative Name:	TCK-1 (beta-TG Products)	
Background:	Chemokine (C-X-C motif) ligand 7, isoform CRA_b (Chemokine subfamily B Cys-X-Cys) (Platelet basic protein) (Pro-platelet basic protein) (Protein Ppbp) (Thymus chemokine 1)	
Gene ID:	57349	
UniProt:	Q9EQI5	

### **Application Details**

Application Notes: Recommended Dilution for serum and plasma samples20,000 - 200,000 fold	
Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual.

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	<ol> <li>Add 100 μL of standard or sample to each well.</li> <li>Incubate 2.5 h at RT or O/N at 4 °C.</li> <li>Add 100 μL of prepared biotin antibody to each well.</li> </ol>
	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:	1. Bring all reagents and samples to room temperature (18 - 25°C) before use. 2. Sample
	dilution: If your samples need to be diluted, Assay Diluent C (Item L) is used for dilution of
	serum/plasma/culture supernatants. 3. Assay Diluent B (Item E) should be diluted 5-fold with
	deionized or distilled water before use. 4. Preparation of standard: Briefly spin the standard vial
	(Item C). Add 400 µl Assay Diluent C (Item L) into Item C vial to prepare a 100 ng/ml standard
	solution. Dissolve the powder thoroughly by a gentle mix. Add 40 $\mu$ l TCK-1 standard from the
	vial of Item C, into a tube with 460 $\mu$ l Assay Diluent C to prepare a 8,000 pg/ml standard
	solution. Pipette 400 $\mu$ l Assay Diluent C into each tube. Use the stock standard solution to
	produce a dilution series (shown below). Mix each tube thoroughly before the next transfer.
	Gently vortex to mix. Assay Diluent C serves as the zero standard (0 pg/ml). 5. If the Wash
	Concentrate (20x) (Item B) contains visible crystals, warm to room temperature and mix gently
	until dissolved. Dilute 20 ml of Wash Buffer Concentrate into deionized or distilled water to yield
	400 ml of 1x Wash Buffer. 6. Briefly spin the Detection Antibody vial (Item F) before use. Add
	100 µl of 1x Assay Diluent B (Item E) into the vial to prepare a detection antibody concentrate.
	Pipette up and down to mix gently (the concentrate can be stored at 4°C for 5 days). The
	detection antibody concentrate should be diluted 80-fold with 1x Assay Diluent B and used in
	step 4 of Part VI Assay Procedure. 7. Briefly spin the HRP-Streptavidin concentrate vial (Item G)
	and pipette up and down to mix gently before use. HRP-Streptavidin concentrate should be
	diluted 30,000-fold with 1x Assay Diluent B (Item E). For example: Briefly spin the vial (Item G)
	and pipette up and down to mix gently . Add 2 $\mu$ l of HRP-Streptavidin concentrate into a tube
	with 198.0 µl 1x Assay Diluent B to prepare a 100-fold diluted HRP-Streptavidin solution (do not
	store the diluted solution for next day use). Mix through and then pipette 40 $\mu$ l of prepared 100-
	fold diluted solution into a tube with 12 ml 1x Assay Diluent B to prepare a final 30,000 fold
	diluted HRP-Streptavidin solution.
Assay Procedure:	1. Bring all reagents and samples to room temperature (18 - 25°C) before use. It is

recommended that all standards and samples be run at least in duplicate. 2. Add 100  $\mu$ l of each

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Product cited in:
Publications
Expiry Date:
Storage Comment:
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Restrictions:
Calculation of Results:

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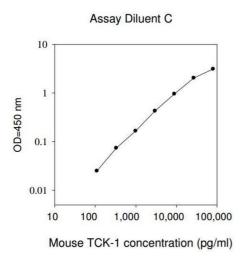
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#### Images



ELISA Image 1.