

# Product Datasheet

## Human 17-Beta-Estradiol ELISA Kit (Colorimetric) KA0297

Unit Size: 1 Kit

Store at 4C.

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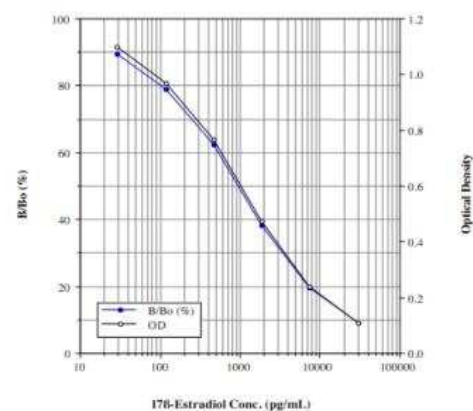
**KA0297****Human 17-Beta-Estradiol ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.
<b>Product Description</b>	
<b>Description</b>	Quality control test: Standard curve. 17 beta-Estradiol ELISA Kit is a competitive immunoassay for the quantitative determination of 17 beta-Estradiol in biological and environmental samples.
<b>Species</b>	Human
<b>Kit Components</b>	Goat anti-Rabbit IgG Microtiter Plate: A plate using break-apart strips coated with goat antibody specific to rabbit IgG., 17β-Estradiol ELISA Conjugate: A blue solution of alkaline phosphatase conjugated with 17β-Estradiol., 17β-Estradiol ELISA Antibody: A yellow solution of a rabbit polyclonal antibody to 17β-Estradiol., Assay Buffer 3: Tris buffered saline containing proteins and detergents and sodium azide as a preservative, Wash Buffer Concentrate: Tris buffered saline containing detergents., 17β-Estradiol Standard: A solution of 300,000 pg/mL 17β-Estradiol., Steroid Displacement Reagent: A special formulated displacer to inhibit steroid binding to proteins., pNpp Substrate: A solution of p-nitrophenyl phosphate in buffer. Ready to use., Stop Solution: A solution of trisodium phosphate in water. Keep tightly capped. Caution: Caustic, Plate Sealer
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	29.3 to 30000 pg/mL
<b>Sensitivity</b>	28.5 pg/mL
<b>Inter Assay</b>	CV% < 6.20%
<b>Intra Assay</b>	CV% < 8.60%
<b>Assay Type</b>	Competitive ELISA
<b>Spiking Recovery</b>	Cell Culture Supernatant: 92.20%, Saliva: 104.80%
<b>Suitable Sample Type</b>	Saliva and Tissue culture media
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification



## Images

ELISA: 17-Beta-Estradiol ELISA Kit [Alkaline Phosphatase] [KA0297] - Standard curve



## Publications

Sokhna K, Colombe O, Emilie B et al. Estrogenic impregnation alters pain expression: analysis through functional neuropeptidomics in a surgical rat model of osteoarthritis. *Naunyn Schmiedebergs Arch Pharmacol.* 2022-03-23 [PMID: 35318491]

Ruotolo R, Calani L, Fietta E et al. Anti-estrogenic activity of a human resveratrol metabolite. *Nutr Metab Cardiovasc Dis.* 2013-11-01 [PMID: 23465317] (Human)



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### **Products Related to KA0297**

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NB100-62282	17-Beta-Estradiol Antibody
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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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