antibodies .- online.com





OCT4 ELISA Kit



Overview

Quantity:	96 tests
Target:	OCT4 (POU5F1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.20-50 ng/mL
Minimum Detection Limit:	0.20 ng/mL
Application:	ELISA

Product Details

Analytical Method: Detection Method: Colorimetric Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines test human ALK-3 (BMPR-IA), ALK-6 (BMPR-IB), Brachyury, CD38, E-Cadherein, GATA4, hCGbe Nanog, Nestin, PDX-1 (PF-1), SOX17, SOX2, VEGFR2 Characteristics: • Strip plates and additional reagents allow for use in multiple experiments • Quantitative protein detection • Establishes normal range	Purpose:	Human OCT-4 ELISA Kit for serum, plasma, and cell culture supernatant samples.
Detection Method: Colorimetric Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines test human ALK-3 (BMPR-IA), ALK-6 (BMPR-IB), Brachyury, CD38, E-Cadherein, GATA4, hCGbe Nanog, Nestin, PDX-1 (PF-1), SOX17, SOX2, VEGFR2 Characteristics: Strip plates and additional reagents allow for use in multiple experiments Quantitative protein detection Establishes normal range	Sample Type:	Plasma, Cell Culture Supernatant, Serum
Specificity: Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines test human ALK-3 (BMPR-IA), ALK-6 (BMPR-IB), Brachyury, CD38, E-Cadherein, GATA4, hCGbe Nanog, Nestin, PDX-1 (PF-1), SOX17, SOX2, VEGFR2 Characteristics: • Strip plates and additional reagents allow for use in multiple experiments • Quantitative protein detection • Establishes normal range	Analytical Method:	Quantitative
human ALK-3 (BMPR-IA), ALK-6 (BMPR-IB), Brachyury, CD38, E-Cadherein, GATA4, hCGbe Nanog, Nestin, PDX-1 (PF-1), SOX17, SOX2, VEGFR2 • Strip plates and additional reagents allow for use in multiple experiments • Quantitative protein detection • Establishes normal range	Detection Method:	Colorimetric
 Quantitative protein detection Establishes normal range 	Specificity:	Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: human ALK-3 (BMPR-IA), ALK-6 (BMPR-IB), Brachyury, CD38, E-Cadherein, GATA4, hCGbeta, Nanog, Nestin, PDX-1 (PF-1), SOX17, SOX2, VEGFR2
	Characteristics:	 Quantitative protein detection Establishes normal range

Product Details

Components:

- · Pre-Coated 96-well Strip Microplate
- Wash Buffer
- · Stop Solution
- · Assay Diluent(s)
- · Lyophilized Standard
- · 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:	OCT4 (POU5F1)
Alternative Name:	OCT-4 (POU5F1 Products)
Gene ID:	5460
UniProt:	Q01860
Pathways:	Stem Cell Maintenance

Application Details

A 1: .:	
Application Notes:	Recommended Dilution for serum and plasma samples2 fold
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 °C.
	4. Add 100 μL of prepared biotin antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 μ L of prepared Streptavidin solution to each well.
	7. Incubate 45 min at RT.

Application Details

	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.
	resorranciaca to store at 60 c.
Expiry Date:	6 months