

Datasheet for ABIN2043799
IL12RB1 ELISA Kit



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Overview

Quantity:	96 tests
Target:	IL12RB1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.15-10 ng/mL
Minimum Detection Limit:	0.15 ng/mL
Application:	ELISA

Product Details

Brand:	BioAssay™
Detection Method:	Colorimetric
Sensitivity:	< 0.071 ng/mL

Target Details

Target:	IL12RB1
Abstract:	IL12RB1 Products
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

Application Details

Plate: Pre-coated

Protocol: Interleukin 12 Receptor Beta 1 (IL12Rb1) BioAssay-ELISA Kit (Human) is a Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Interleukin 12 Receptor Beta 1 (IL12Rb1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interleukin 12 Receptor Beta 1 (IL12Rb1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Interleukin 12 Receptor Beta 1 (IL12Rb1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Interleukin 12 Receptor Beta 1 (IL12Rb1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Restrictions: For Research Use only

Handling

Storage: $4\text{ }^{\circ}\text{C}/-20\text{ }^{\circ}\text{C}$