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Datasheet for ABIN6253509

**IL-36beta (human) Matched Pair Detection Set**

## Overview

Quantity:	1 set
Target:	FIL1h
Reactivity:	Human
Host:	Mouse, Rabbit
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

## Product Details

Purpose:	IL-36beta (human) Matched Pair Detection Set
Detection Method:	Colorimetric
Sensitivity:	10 pg/mL
Characteristics:	Matched Pair Detection Set. Detects human IL-36beta in cell culture supernatant. Colorimetric assay. Sample Type: Cell Culture Supernatant. Range: 15.6 to 1000 pg/mL. Sensitivity: 10 pg/mL. IL-36alpha (IL-1F6), IL-36beta (IL-1F8) and IL-36gamma (IL-1F9) bind to IL-36R (IL-1Rrp2) and IL-1RAcP, activating similar intracellular signals as IL-1. IL-36Ra inhibits the production of proinflammatory cytokines, including IL-12, IL-1beta, IL-6, TNF-alpha and IL-23 induced by IL-36 in BMDC and CD4 T cells. Skin and dendritic cells are targets of the IL-36 interleukins leading to a Th1 response. These cytokines may represent potential targets for immune-mediated inflammatory conditions or, alternatively, could be used as adjuvants in

## Product Details

vaccination.

Components: 1 vial standard protein (100ng) (lyophilized) [STD] 1 vial coating antibody (270µl) [COAT] 1 vial detection antibody (60µl) [DET] 1 vial streptavidin-HRP (10µg) (lyophilized) [STREP]

## Target Details

Target: FIL1h

Alternative Name: IL-36beta ([FIL1h Products](#))

Background: Alternate Names/Synonyms: Interleukin-36beta Interleukin-1 Family Member 8, IL-1F8  
Product Description: IL-36alpha (IL-1F6), IL-36beta (IL-1F8) and IL-36gamma (IL-1F9) bind to IL-36R (IL-1Rrp2) and IL-1RAcP, activating similar intracellular signals as IL-1. IL-36Ra inhibits the production of proinflammatory cytokines, including IL-12, IL-1beta, IL-6, TNF-alpha and IL-23 induced by IL-36 in BMDC and CD4 T cells. Skin and dendritic cells are targets of the IL-36 interleukins leading to a Th1 response. These cytokines may represent potential targets for immune-mediated inflammatory conditions or, alternatively, could be used as adjuvants in vaccination.

## Application Details

Restrictions: For Research Use only

## Handling

Concentration: Lot specific

Handling Advice: Avoid freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Short Term Storage: -20°C  
Long Term Storage: -20°C  
Use & Stability: Stable for at least 1 year after receipt when stored at -20°C.