

ARG83542

arigoQIK™ Mouse IL13 ELISA Development Kit

Package: 1 kit(5 plates), 1 kit (15 plates)
Store at: 4°C, -20°C

Summary

Product Description	<p>ARG83542 arigoQIK™ Mouse IL13 ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution.</p> <p>This ELISA Development Kit is designed for the development of sandwich ELISA to measure Mouse IL13 in serum, plasma and cell culture supernatants.</p> <p>For other reagents required for arigoQIK™ ELISA Development Kit, please refer ARG83524 Integral Reagent Kit (ELISA Development Kit)</p> <p>More about arigoQIK™:</p> <ul style="list-style-type: none"> • Optimized capture and detection antibody pairs • Reduced incubation time and wash cycles • 2-hour quicker than conventional ELISA process • 5- and 15-plate packages available
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	IL13
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	1.95 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	3.91 - 250pg/ml
Sample Volume	50 µl
Alternate Names	IL13; Interleukin 13; IL-13; P600; Interleukin-13; MGC116786; MGC116788; MGC116789; ALRH; BHR1; Bronchial Hyperresponsiveness-1 (Bronchial Asthma); Allergic Rhinitis; NC30

Properties

Storage instruction	Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL13
Gene Full Name	Interleukin 13
Background	<p>This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a</p>

cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]

Function Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13. [UniProt]

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PTM Disulfide bond, Glycoprotein. [UniProt]

Cellular Localization Secreted. [UniProt]