



Cynomolgus ALRH (DAG-H10042)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Cynomolgus
Purity	> 97 % as determined by SDS-PAGE
Conjugate	Unconjugated
Applications	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 2-8 ng/mL.
Size	20 µg, 50 µg
Preservative	None
Storage	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

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 cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.

Keywords

ALRH; BHR1; P600; IL-13; interleukin-13; allergic rhinitis; Bronchial hyperresponsiveness-1 (bronchial asthma); Allergic rhinitis; NC30; Tralokinumab; 1044515-88-9; Lebrikizumab; 953400-68-5; Anrukizumab (= IMA-638); 910649-32-0