



# Human Anti-Human IL-13 (Lebrikizumab) Monoclonal antibody, clone Lebrikizumab (CABT-CS580)

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

## PRODUCT INFORMATION

Specificity	IL13
Target	IL13
Isotype	Human IgG4, κ
Source/Host	Human
Species Reactivity	Human
Clone	Lebrikizumab
Purification	Protein A
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4. Contains no stabilizers or preservatives
Preservative	None
Storage	2 weeks, 2-8°C under sterile conditions after reconstitution. Avoid repeated freeze-thaw. -80°C for a long-term storage.

# BACKGROUND

**Introduction** IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells, and is involved in regulating inflammatory and immune responses. IL-13 down-regulates macrophage activity, thereby inhibiting the production of pro-inflammatory cytokines and chemokines, and is involved in allergen-induced asthma through mechanisms independent of IgE and eosinophils. IL-13 also regulates several stages of B cell maturation and differentiation, up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. Structurally, IL-13 closely resembles IL-3, IL-4, IL-5 and GM-CSF. The gene encoding IL-13, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with the IL-13 gene particularly close to IL4.

**Keywords** IL13; interleukin 13; IL-13; interleukin-13