



Human Anti-Human IL-31RA (Nemolizumab) Monoclonal antibody, clone Nemolizumab (CABT-CS584)

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

PRODUCT INFORMATION

Specificity	IL31RA
Target	IL31RA
Isotype	IgG4
Source/Host	Human
Species Reactivity	Human
Clone	Nemolizumab
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-31 is a T cell cytokine that is preferentially produced by T helper type 2 cells. IL-31 signals through a heterodimeric receptor composed of the IL-31 receptor (IL-31R) and the oncostatin M receptor (OSM). This receptor complex recruits JAK1, JAK2, Stat1, Stat3 and Stat5 signaling pathways, as well as the PI3 kinase/AKT cascade. SHP-2 and Shc adapter molecules are also recruited and contribute to an increased activation of the MAP kinase pathway in response to IL-31. Overexpression of IL-31 in mice results in pruritus and skin dermatitis resembling human atopic dermatitis (AD).

Keywords

IL31RA; IL-31RA; interleukin 31 receptor A; GPL; CRL3; GLMR; GLM-R; PLCA2