CD Creative Diagnostics®

Mouse Anti-Japanese Cedar Cry j 1 Monoclonal Antibody, clone 5G10 (CABT-YN1514)

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

PRODUCT INFORMATION

Specificity	Binds to species specific epitope present on Glycine max allergen, Gly m 4.
Target	Japanese Cedar Cry j 1
Immunogen	Cry j 1
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Cryptomeria japonica
Clone	5G10
Purification	Produced in vitro and purified by affinity chromatography using Protein A.
Conjugate	Unconjugated
Applications	ELISA Recommended dilution: ELISA: 1:1000 Final working dilutions must be determined by end user.
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Phosphate buffered saline, pH 7.4, preservative free.

Preservative	None
Storage	Store at 4°C
Ship	Wet ice

BACKGROUND

Introduction	Cryptomeria japonica pollen is the most common allergen causing seasonal allergic rhinitis in Japan. It can disperse >100 km from its source, causing widespread pollinosis in major cities such as Tokyo and Osaka. There are regional differences in sensitization to Cryptomeria pollen across Japan, although these are relatively small compared to other tree pollens, due to the widespread distribution of cedar trees. In South Korea, Japanese cedar was the major outdoor allergen in spring only in Jeju district; this was attributed to localized cultivation of cedar trees. There appears to be a significant worldwide increase in the prevalence of cedar pollinosis. In a 2008 national survey of Japanese otorhinolaryngologists, the prevalence of cedar pollinosis among their families was 26.5%; 10% higher than that recorded in a similar survey 10 years earlier. The major allergen of Cryptomeria japonica is Cry j 1.
Keywords	Cry j1; Cry j 1; Cryptomeria japonica

GENE INFORMATION

Protein Refseq	None