



# Mouse Anti-Sesame Ses i 1 Monoclonal Antibody, clone 8B1 (CABT-YN1520)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Binds to species specific epitope present on Sesamum indicum allergen, Ses i 1.
<b>Target</b>	Sesame Ses i 1
<b>Immunogen</b>	Ses i 1
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Sesamum indicum
<b>Clone</b>	8B1
<b>Purification</b>	Produced in vitro and purified by affinity chromatography using Protein A.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Recommended dilution: ELISA: 1:1000 Final working dilutions must be determined by end user.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Phosphate buffered saline, pH 7.4, preservative free.

<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

Ses i 1 is a major 2S albumin storage protein in sesame, and is stable to heat and proteases, which increase the risk of severe reactions and anaphylaxis. Ses i 1 has shown resistance to high heat (100°C) and to the digestive conditions of GI tract at both acidic and neutral pH, and it was found to remain intact after gastric as well as duodenal digestion. Such protein stability is believed to increase the risk of severe reactions and anaphylaxis and has been proposed to be a key player in allergic reactions to sesame. There are seven sesame allergen components registered by the WHO/IUIS Allergen Nomenclature Subcommittee: four storage proteins including two 2S albumins (Ses i 1 and Ses i 2) and two 11S globulins (Ses i 6 and Ses i 7), two oleosins (Ses i 4 and Ses i 5) and one vicilin-like 7S globulin (Ses i 3). Studies have shown specific IgE to Ses i 1 to be a promising aid in the diagnosis of sesame allergy as compared to whole sesame specific IgE and skin prick testing (SPT), showing higher clinical specificity and better predictive value for positive outcomes of OFC.

**Keywords** Ses i1; Ses i 1; Sesamum indicum

## GENE INFORMATION

**Protein Refseq** None