



Mouse Anti-Chicken Gal d 1 Monoclonal Antibody, clone 5A7 (CABT-YN1509)

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

PRODUCT INFORMATION

Specificity	Binds to species specific epitope present on Gallus domesticus allergen, Gal d 1.
Target	Chicken Gal d 1
Immunogen	Gal d 1
Isotype	IgG2c, κ
Source/Host	Mouse
Species Reactivity	Gallus domesticus (G. gallus)
Clone	5A7
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 Egg white of chicken (*Gallus domesticus*) constitutes the albumin portion present in the egg. It primarily contains water (approximately 88%) and more than 20 glycoproteins (like ovalbumin), fibrous structural proteins (ovomucins), antibacterial proteins (lysozyme), and peptides. Egg white is regarded as the principal source of allergen; the egg white proteins are potentially more allergenic compared to protein derived from egg yolk. The major allergens found in egg white include ovomucoid (Gal d 1), ovalbumin (Gal d 2), ovotransferrin (Gal d 3), and lysozyme (Gal d 4). Globally, eggs have been extensively utilized in food products like bread, egg noodles, pancakes, waffles, cakes, French toast, tea-boiled egg, and others.

Keywords Gal d1; Gal d 1; *Gallus domesticus*; *G. gallus*

GENE INFORMATION

Protein Refseq None