



# 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

<b>Specificity</b>	Binds to species specific epitope present on <i>Gallus domesticus</i> allergen, Gal d 1.
<b>Target</b>	Chicken Gal d 1
<b>Immunogen</b>	Gal d 1
<b>Isotype</b>	IgG2c, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	<i>Gallus domesticus</i> ( <i>G. gallus</i> )
<b>Clone</b>	5A7
<b>Purification</b>	Produced <i>in vitro</i> 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.

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

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## BACKGROUND

<b>Introduction</b>	Egg white of chicken ( <i>Gallus domesticus</i> ) 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.
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<b>Keywords</b>	Gal d1; Gal d 1; <i>Gallus domesticus</i> ; <i>G. gallus</i>
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## GENE INFORMATION

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<b>Protein Refseq</b>	None
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