

## Product datasheet for **SM2045P**

### OVAL Mouse Monoclonal Antibody [Clone ID: 2C6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2C6
Applications:	ELISA
Recommended Dilution:	<b>ELISA</b> (1/1000-1/5000). The antibody is suitable for use as a Mouse IgE standard in ELISA assays.
Reactivity:	Chicken
Host:	Mouse
Isotype:	IgE
Clonality:	Monoclonal
Immunogen:	Ovalbumin.
Specificity:	This Mouse monoclonal antibody specifically recognizes Ovalbumin (OVA).
Formulation:	PBS State: Purified State: Liquid purified IgE fraction prepared from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ovalbumin (SERPINB14)
Database Link:	<a href="#">Entrez Gene 396058 Chicken P01012</a>



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**Background:**

Chicken Ovalbumin is the major protein in the "white" of the egg (and a favorite antigen in immunological research). Egg white contains a variety of proteins including ovalbumin, conalbumin, ovomucoid and lysozyme. It belongs to the serpin family and the Ov serpin subfamily. Ovalbumin can cause an allergic reaction in humans. Ovalbumin has been implicated in the development of the egg shell. Immunohistochemistry revealed that ovalbumin is found only in the mammillary bodies of decalcified shell, and is not distributed throughout the shell matrix. These results indicate that ovalbumin is present during the initial phase of shell formation and becomes incorporated into the protein matrix of the mammillary bodies. However, it is not yet clear whether ovalbumin at this site plays a specific role in shell mineralisation.

**Synonyms:**

SERPINB14, Egg albumin, Plakalbumin, Allergen Gal d II