

## Mouse Anti-OVA IgE Monoclonal Antibody, Clone E-C1

Catalog # 3006

*For Research Use Only - Not Human or Therapeutic Use*

DESCRIPTION:	Mouse anti-OVA IgE monoclonal antibody, clone E-C1, unconjugated
APPLICATION:	Use for animal studies, ELISA, and Western Blotting
QUANTITY:	1 mg containing 1 mg mouse serum albumin as a stabilizer (no preservative)
FORM:	Lyophilized powder
SOURCE:	Mouse
IMMUNOGEN:	Ovalbumin
CROSS-REACTIVITY:	Cross-reacts to both native and aggregated OVA
PURITY:	Purified by ion-exchange chromatography
SUBTYPE:	Mouse IgE
USAGE:	<i>In vivo</i> studies: reconstitute antibody with PBS containing 1 mg/ml MSA or with Chondrex, Inc.'s IgE Dilution Buffer ( <a href="#">Cat # 3009</a> ) <i>In vitro</i> studies: reconstitute antibody with a buffer containing 2% heterologous serum, such as normal goat serum, to prevent non-specific reactions.
STORAGE:	-20°C
STABILITY:	1 year
NOTES:	E-C1 can also be found in published literature under the clone name "OE-1". They are identical monoclonal antibodies.
REFERENCES:	<p>N. Mizutani, H. Goshima, T. Nabe, S. Yoshino, Complement C3a-induced IL-17 plays a critical role in an IgE-mediated late-phase asthmatic response and airway hyperresponsiveness via neutrophilic inflammation in mice. <i>J Immunol</i> <b>188</b>, 5694-705 (2012).</p> <p>N. Mizutani, H. Goshima, T. Nabe, S. Yoshino, Establishment and characterization of a murine model for allergic asthma using allergen-specific IgE monoclonal antibody to study pathological roles of IgE. <i>Immunol Lett</i> <b>141</b>, 235-45 (2012).</p> <p>N. Mizutani, C. Sae-Wong, S. Kongsanant, T. Nabe, S. Yoshino, Thymic stromal lymphopoietin-induced interleukin-17A is involved in the development of IgE-mediated atopic dermatitis-like skin lesions in mice. <i>Immunology</i> <b>146</b>, 568-81 (2015).</p> <p>Y. Okamoto-Uchida, R. Nakamura, Y. Matsuzawa, M. Soma, H. Kawakami, <i>et al.</i>, Different Results of IgE Binding- and Crosslinking-Based Allergy Tests Caused by Allergen Immobilization. <i>Biol Pharm Bull</i> <b>39</b>, 1662-1666 (2016).</p> <p>C. Sae-Wong, N. Mizutani, S. Kongsanant, S. Yoshino, Topical skin treatment with Fab fragments of an allergen-specific IgG1 monoclonal antibody suppresses allergen-induced atopic dermatitis-like skin lesions in mice. <i>Eur J Pharmacol</i> <b>779</b>, 131-7 (2016).</p>