

Low Endotoxin OVA

Catalog # 3022

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Purified low endotoxin ovalbumin from chicken egg white
APPLICATION:	Use as an allergen to study allergic diseases in experimental animals or for <i>in vitro</i> experiments. This low endotoxin OVA is a suitable allergen for airway hyperresponsiveness (AHR). It may also be used as a carrier protein to conjugate peptides and other small molecules for use as an immunogen.
QUANTITY:	10 mg
SOLUBILITY:	20 mg/ml
FORM:	Lyophilized powder
ENDOTOXIN LEVEL:	<1 EU/mg
MOLECULAR WEIGHT:	45 kDa
PURITY:	>98% by gel electrophoresis
STORAGE:	4°C in the dark or -20°C when reconstituted in buffer
STABILITY:	1 year
NOTES:	N/A
REFERENCES:	<p>J. Bortolatto, E. Borducchi, D. Rodriguez, A. Keller, E. Faquim-Mauro, <i>et al.</i>, Toll-like receptor 4 agonists adsorbed to aluminium hydroxide adjuvant attenuate ovalbumin-specific allergic airway disease: role of MyD88 adaptor molecule and interleukin-12/interferon-gamma axis. <i>Clin Exp Allergy</i> 38, 1668-79 (2008).</p> <p>H. Hoymann, M. Muller, and A. Krug. Improving models of allergic asthma by using endotoxin-free ovalbumin in mice and rats: Effects on early allergic response, airway hyperresponsiveness and inflammation. <i>Am J Respir Crit Care Med</i>, 183(A2870) (2011)</p> <p>J. Watanabe, Y. Miyazaki, G. Zimmerman, K. Albertine, T. McIntyre, Endotoxin contamination of ovalbumin suppresses murine immunologic responses and development of airway hyper-reactivity. <i>J Biol Chem</i> 278, 42361-8 (2003).</p>