

# Mouse IgE Monoclonal Antibody, Isotype Control, Clone 2A101A12

Catalog # 7129

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DESCRIPTION:	Mouse IgE Monoclonal Antibody, Isotype Control, Clone 2A101A12, unconjugated  Antibody characterization studies, such as inhibition of target proteins in <i>in-vivo</i> or <i>in-vitro</i> studies, must use an appropriate isotype control antibody matched to the class and type of the test antibody in order to properly interpret the results. Many researchers use the buffer that dissolved the test antibody as a negative control, however this is not a sufficient control. Because this isotype control has no relevant function, it works as a negative control to effectively distinguish non-specific background reactions from specific antibody reactions. Non-specific reactions are caused by 1) Fc receptors on cells, 2) antibody interaction with cellular proteins, lipids, or carbohydrates, and 3) cellular autofluorescence.  Clone 2A101A12 (BALB/c IgE, $\kappa$ ) for use as an IgE isotype control in <i>in-vivo</i> and <i>in-vitro</i> studies.
APPLICATION:	Use for <i>in-vivo</i> studies and <i>in-vitro</i> studies such as ELISA, Western blotting, and cell-based assays
QUANTITY:	0.5 ml, 1 mg/ml
FORM:	Solution in 0.05M phosphate buffered saline, pH 7.4
SOURCE:	Mouse
REACTIVITY:	N/A
IMMUNOGEN:	N/A
PURITY:	Purified by ion-exchange chromatography
SUBTYPE:	Mouse IgE
USAGE:	Dilute the antibody in buffer containing 2% heterologous serum, such as normal goat serum, to prevent non-specific reactions in ELISA.
STORAGE:	-20°C
STABILITY:	1 year
NOTES:	N/A
REFERENCES:	N/A