



# Human IgG1 Isotype Control [MMAE] (DMABB-JX325)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This product is a control ADC for any IgG type antibody labeled with MMAE. It has an average of 4 MMAE loaded on each antibody and can be used for accessing the effect of MMAE alone (non-specific toxicity). The product uses a very low endotoxin level antibody as a starting material ( $\leq 0.5$ EU/mg by the LAL method). The preparation and purification are conducted under pyrogen free environment. The final product is assayed for endotoxin to make sure it is suitable for cell culture and animal studies. The loading is confirmed by various methods including UV, HPLC, and difference MALDI-TOF MS.
<b>Specificity</b>	The product uses a human IgG1 subtype antibody that does not bind to the target.
<b>Immunogen</b>	HEL (Hen Egg Lysozyme)
<b>Isotype</b>	IgG1, $\kappa$
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Chicken
<b>Purification</b>	Affinity purified
<b>Conjugate</b>	MMAE
<b>Applications</b>	ELISA, FC, IF, IHC, in vivo, IP, WB Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Lyophilized
<b>Size</b>	100 $\mu$ g, 500 $\mu$ g, 1 mg

<b>Buffer</b>	Lyophilized from phosphate buffered saline containing sugar-based stabilizer.
<b>Storage</b>	Store at -20°C, avoiding freeze/thaw cycles.

## GENE INFORMATION

<b>Synonyms</b>	Ig gamma 1 chain C region; Immunoglobulin heavy constant gamma 1; Immunoglobulin G; IgG; IgG heavy chain; Immunoglobulin G heavy chain; IGHG1; IGHG2; IGHG3; IGHG4;
<b>Chromosome Location</b>	14q32.33
<b>Pathway</b>	IL4-mediated signaling events;
<b>Function</b>	antigen binding; protein binding;