



# Mouse Anti-Mouse GLP1R monoclonal antibody, clone 8G49 (DMAB-JXL23101)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	BHK cells overexpressing mouse Glucagon-like peptide 1 receptor (full length)
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	8G49
<b>Purification</b>	Unpurified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, FACS, IF, IHC, 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>	Liquid
<b>Size</b>	1 ml
<b>Storage</b>	Store at -20°C. Avoid multiple freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** This gene encodes a 7-transmembrane protein that functions as a receptor for glucagon-like

peptide 1 (GLP-1) hormone, which stimulates glucose-induced insulin secretion. This receptor, which functions at the cell surface, becomes internalized in response to GLP-1 and GLP-1 analogs, and it plays an important role in the signaling cascades leading to insulin secretion. It also displays neuroprotective effects in animal models. Polymorphisms in this gene are associated with diabetes. The protein is an important drug target for the treatment of type 2 diabetes and stroke. Alternative splicing of this gene results in multiple transcript variants.

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