



# Anti-Mouse IgG2c polyclonal antibody [AP] (DPABY-200)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Goat anti Mouse IgG2c antibody recognizes mouse IgG2c, otherwise known as the Igh 1b allele of IgG2a. Goat anti Mouse IgG2c antibody is assessed by ELISA and immunoelectrophoresis and has been shown to react with IgG2c in C57BL/6, SJL, C57BL/10, CB20, C57BL/6 by Balb/C crosses and pools of serum of outbred mice and does not react with L-chains or other IgG subclasses.
<b>Immunogen</b>	Native mouse IgG2c
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Conjugate</b>	AP
<b>Applications</b>	ELISA
<b>Preparation</b>	Purified IgG prepared by affinity chromatography
<b>Format</b>	Purified IgG conjugated to Alkaline Phosphatase - liquid
<b>Size</b>	500 µg
<b>Buffer</b>	50mM HEPES, 0.1M NaCl, 1mM Mgcl2, 0.1mM Zncl2
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

# BACKGROUND

## Introduction

Immunoglobulin class switching (or isotype switching or isotypic commutation or class switch recombination(CSR)) is a biological mechanism that changes a B cell's production of antibody from one class to another, for example, from an isotype called IgM to an isotype called IgG. During this process, the constant region portion of the antibody heavy chain is changed, but the variable region of the heavy chain stays the same (the terms "constant" and "variable" refer to changes or lack thereof between antibodies that target different epitopes). Since the variable region does not change, class switching does not affect antigen specificity. Instead, the antibody retains affinity for the same antigens, but can interact with different effector molecules.

---

## Keywords

immunoglobulin G2c; IgG2c

---

# GENE INFORMATION

## References

1. Jalili, R.B. et al. (2010) Local Expression of Indoleamine 2,3 Dioxygenase in Syngeneic Fibroblasts Significantly Prolongs Survival of an Engineered Three-Dimensional Islet Allograft. *Diabetes* 59: 2219-2227
  2. Arnold, I.C. et al. (2011) The C-terminally encoded, MHC class II-restricted T cell antigenicity of the *Helicobacter pylori* virulence factor CagA promotes gastric preneoplasia. *J Immunol.* 186: 6165-72.
-