# Anti-DNP Rat IgG2a Isotype Control Antibody (Clone: DNP.m1) | PA007158.rt2a

**Catalog No.:** PA007158.rt2a | **Isotype:** Rat IgG2a Kappa | **In vivo Grade / Isotype Control**

Recombinant anti-DNP isotype control antibodies and Fc silenced mutants good for in vitro and in vivo studies. Low or no specific binding to human, mouse, and rat samples tested. The variable regions were not humanized in the human antibody versions. Recombinant anti-DNP antibodies as IVD raw materials available. For human T cell research, Syd Labs OKT3 antibodies are also available.

## Product Specifications

| | |
|---|---|
| **Catalog No.** | PA007158.rt2a |
| **Product Name** | In vivo Grade Recombinant Anti-DNP Rat IgG2a Isotype Control Antibody |
| **Synonyms** | Anti-Dinitrophenyl Isotype Control Antibodies, DiNitroPhenyl Hapten |
| **Clone & Isotype** | DNP.m1 \| Rat IgG2a Kappa |
| **Applications** | An isotype-matched negative control for anti-DNP mouse IgG1 kappa antibodies used in ELISA, Western Blot (WB), Flow Cytometry (Flow), Immunoprecipitation (IP), Immunohistochemistry (Paraffin) (IHC (P)), Immunohistochemistry (Frozen) (IHC (F)), and in vivo animal model research. |
| **Reactivity & Specificity** | Dinitrophenyl (DNP). Low or no specific binding to human, mouse, and rat samples tested. |
| **Source / Host** | The In vivo Grade Recombinant Anti-DNP Rat IgG2a Isotype Control Antibody was produced in mammalian cells. |
| **Formulation & Conjugate** | 0.2 uM filtered solution of 1x PBS. Non-conjugated. |
| **Endotoxin** | Less than 1 EU/mg of protein as determined by LAL method. |
| **Purity** | **>95%** by SDS-PAGE under reducing conditions. |
| **Shipping** | The In vivo Grade Recombinant Anti-DNP Rat IgG2a Isotype Control Antibody is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 1 month from date of receipt, 2 to 8°C as supplied. 3 months from date of receipt, -20 to -70°C as supplied. |

## Biological Description & Background

PA007158.rt2a: Recombinant Anti-DNP Rat IgG2a Isotype Control Antibody (Clone: DNP.m1), In vivo Grade.

The in vivo grade recombinant anti-DNP mouse IgG1 isotype control antibody (mIgG1 isotype control) was produced in mammalian cells.

Designed as an optimal negative control for in vitro and in vivo studies involving rat IgG2a antibodies, clone DNP.m1 targets the dinitrophenyl (DNP) hapten which is absent in mammalian tissues. Produced under ultra-low endotoxin conditions in mammalian systems, it ensures minimal non-specific background and high reproducibility across animal model research, flow cytometry, ELISA, and immunohistochemistry applications. For human T cell research, Syd Labs OKT3 antibodies are also available.

## Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-dnp-rat-igg2a-isotype-control-pa007158-rt2a/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com