# V5-Tag mAb (SV5-Pk1), Rabbit IgG | PA000320.rt

**Catalog No.:** PA000320.rt **Clone:** SV5-Pk1 **Isotype:** Rabbit IgG **Valency / Fc:** Bivalent / Intact Rabbit Fc

Recombinant anti-V5 tag monoclonal antibody (clone SV5-Pk1) expressed in a rabbit IgG format: the same high-affinity V5 paratope (GKPIPNPLLGLDST) carried on a rabbit constant region. Its rabbit Fc is detected with standard anti-rabbit IgG secondary reagents, and because it is not an anti-mouse reagent it can be multiplexed with mouse primary antibodies without anti-mouse cross-reactivity — the format of choice for multiplexed IHC/IF and for panels that already rely on anti-rabbit detection.

## PRODUCT SPECIFICATIONS

| Parameter | Specification |
|---|---|
| **Catalog No.** | PA000320.rt |
| **Product Name** | Recombinant Anti-V5-Tag Monoclonal Antibody (Clone SV5-Pk1), Rabbit IgG |
| **Supplier & Brand** | Syd Labs, Inc. / Syd Labs |
| **Synonyms** | Anti-V5-Tag mAb, V5-Tag Antibody (SV5-Pk1), Clone SV5-Pk1, GKPIPNPLLGLDST epitope antibody, Rabbit anti-V5 antibody |
| **Summary** | Recombinant anti-V5 tag monoclonal antibody (clone SV5-Pk1) expressed in a rabbit IgG format |
| **Clone & Isotype** | SV5-Pk1 \| Rabbit IgG |
| **Specificity/Sensitivity** | The 14-amino-acid sequence GKPIPNPLLGLDST, derived from simian virus 5 (SV5), on V5-tagged proteins and V5 tag expression cells |
| **Applications** | ELISA, flow cytometry, immunoblotting, immunoprecipitation, immunocytochemistry, immunofluorescence, chromatin immunoprecipitation, electron microscopy, supershift assays, protein purification if conjugated with agarose or magnetic beads, and isotype controls |
| **Reactivity** | Human, Mouse, Rat, Others. |
| **Purification** | Affinity-purified from supernatant of mammalian cells cultured in a chemically defined medium by affinity chromatography using protein A |
| **Form Of Antibody** | 1 mg/ml in 1x PBS. |
| **Endotoxin** | Less than 1 EU/mg of protein as determined by LAL method. |
| **Purity** | >95% by SDS-PAGE under reducing conditions. |
| **Shipping** | The Recombinant Anti-HA-Tag Monoclonal Antibody (Clone 12CA5), Rabbit IgG 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. For maximum recovery of the product, centrifuge the original vial after thawing and before removing the cap. 1 month from date of receipt, 2 to 8°C as supplied. 12 months from date of receipt, -20°C to -70°C as supplied. |

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| Parameter | Specification |
|---|---|
| **Note** | Recombinant V5-Tag monoclonal antibodies (clone SV5-Pk1) with various isotypes; low prices for bulk order. Optimal working conditions should be determined experimentally by the investigator |

## BACKGROUND OF RECOMBINANT ANTI-V5-TAG MONOCLONAL ANTIBODY (CLONE SV5-PK1), RABBIT IGG

The Recombinant Anti-V5-Tag Monoclonal Antibody (Clone SV5-Pk1), Rabbit IgG (Catalog No. PA000320.rt) pairs the validated SV5-Pk1 antigen-binding site with a rabbit IgG constant region. It is produced in mammalian cells and recognizes the 14-amino-acid V5 epitope (GKPIPNPLLGLDST) with the same specificity as the parent SV5-Pk1 antibody; the variable-site specificity is unchanged, and only the constant region is that of a rabbit IgG.

A rabbit IgG constant region brings two practical advantages to V5-tag detection. First, it is recognized by the anti-rabbit secondary reagents that already dominate immunohistochemistry, immunofluorescence, and western blotting, so the antibody drops straight into established detection workflows. Second, because the signal is developed with an anti-rabbit rather than an anti-mouse conjugate, it can be combined with mouse primary antibodies in the same experiment: the two signals resolve on separate channels, while the anti-mouse cross-reactivity that produces background on mouse tissue is avoided. Rabbit IgG also binds Protein A tightly at physiological pH, which supports straightforward Protein A purification and pull-down.

### Key Product Highlights

- **Rabbit IgG format:** detected with standard anti-rabbit IgG secondary reagents already in most labs.
- **Built for multiplexing:** co-stain with mouse primary antibodies on separate channels without anti-mouse cross-reactivity.
- **Strong Protein A binding:** rabbit IgG binds Protein A with high affinity at neutral pH, aiding purification and IP.
- **Same SV5-Pk1 paratope:** identical V5 epitope recognition as the full-length mouse IgG2a PA000320.m2a.
- **Recombinant consistency:** a defined sequence produced in mammalian cells and purified by Protein A for reproducible, lot-to-lot stable performance.

## ORDERING & TECHNICAL SUPPORT

For batch-specific Certificate of Analysis (COA), SDS-PAGE validation data, or custom bulk volume ordering, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-v5-tag-antibody-clone-sv5-pk1-rabbit-igg-pa000320-rt/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com

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