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Datasheet for 600-406-386

# VSV-G Epitope Tag Antibody Biotin Conjugated

## Overview

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| **Description:** | Anti-VSV-G Epitope Tag (RABBIT) Antibody Biotin Conjugated - 600-406-386 |
| **Item No.:** | 600-406-386 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, WB |
| **Reactivity:** | VSV-G-Tag |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the biochemical properties of the tagged protein. Most often, sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag-containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA. VSV-G, or vesicular stomatitis virus glycoprotein, is found within the pseudo lentiviral cloning vector pHCMV-VSV-G. |
| **Synonyms:** | Rabbit Anti-VSV-G Epitope Tag Biotin Conjugated Antibody, Rabbit Anti VSV-G Epitope Tag Biotin Conjugated Antibody, Rabbit Anti-VSV-G Tag Antibody Biotin Conjugation |
| **Host Species:** | Rabbit |
| **Conjugate:** | Biotin |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Reactivity:** | VSV-G-Tag |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding amino acids near the carboxy terminal of vesicular stomatitis virus glycoprotein (VSV-G). |
| **Purity/Specificity:** | This affinity purified antibody is directed against VSV-G protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification followed by biotin conjugation, subsequent purification and exhaustive dialysis against the buffer stated above. |

## Application Details

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| **Tested Applications:** | ELISA, WB |
| **Application Note:** | This affinity purified antibody has been tested for use in ELISA and western blot and is suitable by immunofluorescence microscopy. Specific conditions for reactivity should be optimized by the end user. For standard indirect immunofluorescence assays, we recommend paraformaldehyde fixation with detergent permeabilization of cells infected with VSV or transfected with the wild-type VSV-G protein. Staining is quite clean and specific for both sources of the G protein when diluted at least 1/200. At higher concentrations, a filamentous background staining may be present. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:10,000 - 1:50,000 |
| **IHC:** | 1:1,000 - 1:5,000 |
| **WB:** | 1:2,000 - 1:10,000 |

## Formulation

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| **Physical State:** | Lyophilized |
| **Concentration:** | 1.0 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.01% (w/v) Sodium Azide |
| **Stabilizer:** | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| **Reconstitution Volume:** | 100 µL |

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| **Reconstitution Buffer:** | Restore with deionized water (or equivalent) |

## Shipping & Handling

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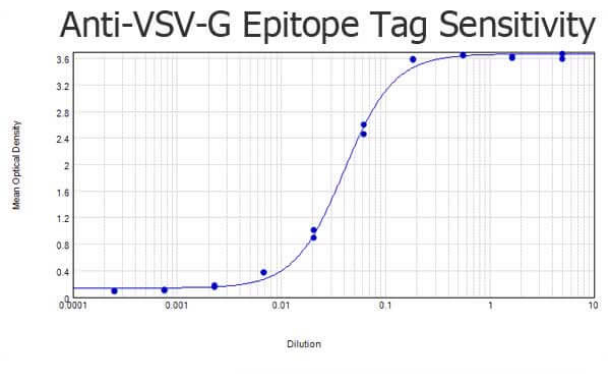
| **Shipping Condition:** | Ambient |
| **Storage Condition:** | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**ELISA**
ELISA results of purified Rabbit anti-VSV-G Antibody Biotin Conjugated tested against BSA-conjugated peptide of immunizing peptide. Each well was coated in duplicate with 0.1µg of conjugate. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer, Streptavidin Peroxidase Conjugated (p/n S000-03) and TMB substrate p/n TMBE-1000.

## Disclaimer

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