

Product Datasheet

GFP Antibody [FITC] NB100-1183

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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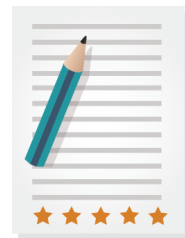
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NB100-1183

GFP Antibody [FITC]

| Product Information | |
|---------------------|--|
| Unit Size | 0.05 mg |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.01% Sodium Azide |
| Isotype | IgG |
| Conjugate | FITC |
| Purity | Immunogen affinity purified |
| Buffer | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |

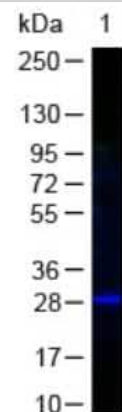
| Product Description | |
|---------------------|--|
| Description | <p>For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room</p> <p>GFP Antibody Fluorescein Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Green Fluorescent Protein (<i>Aequorea victoria</i>) coupled to agarose beads followed by solid phase adsorption (s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, anti-Fluorescein and purified and partially purified Green Fluorescent Protein (<i>Aequorea victoria</i>) Serum</p> |
| Host | Rabbit |
| Species | Non-species specific |
| Reactivity Notes | Reactive against all variants of <i>Aequorea victoria</i> GFP such as S65T-GFP, RS-GFP, YFP and EGFP. Human reactivity reported in scientific literature (PMID: 28174757). Mouse reactivity reported in scientific literature (PMID: 29079780). |
| Immunogen | The immunogen is a Green Fluorescent Protein (GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish <i>Aequorea victoria</i> . |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen |
| Recommended Dilutions | Western Blot 1:100-1:2000, Flow Cytometry 1:2000-1:10000, ELISA 1:100 - 1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:500-1:2500, Immunohistochemistry-Frozen |
| Application Notes | This product has been tested by ELISA and SDS-Page and can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important. |

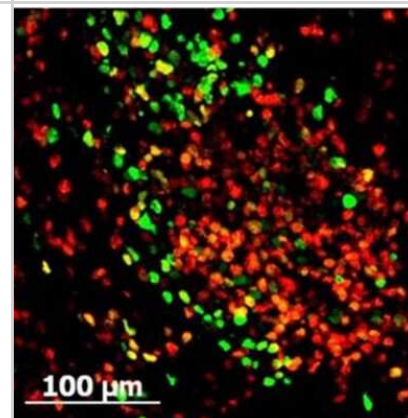


Images

Western Blot: GFP Antibody [FITC] [NB100-1183] - Lane 1: GFP. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Fluorescein Conjugated Anti-GFP at 1:1000 for 60 min at RT. Block: 1% BSA-TTBS for 30 min at RT. Predicted/Observed size: 28 kDa, 28 kDa.



Immunocytochemistry/Immunofluorescence: GFP Antibody [FITC] [NB100-1183] - Staining of mouse spleen cells Tissue: spleen cells infected with MHV68-H2bYFP. As seen in: Collins CM, Speck SH (2012) Tracking Murine Gammaherpesvirus 68 Infection of Germinal Center B Cells.



Publications

Olszak T, Neves JF, Dowds CM et al. Protective mucosal immunity mediated by epithelial CD1d and IL-10 Nature 2014-05-22 [PMID: 24717441] (IHC-Fr)

Details:

This citation used the FITC version of this antibody.



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Products Related to NB100-1183

| | |
|----------------|-----------------------------------|
| NBP2-24892 | Rabbit IgG Isotype Control [FITC] |
| NB100-56401PEP | GFP Antibody Blocking Peptide |
| NBC1-22949 | Recombinant GFP Protein |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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