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| **Description** | **Fluorescein isothiocyanate-conjugated polyclonal goat IgG** |
| **Product code** | GIgG/FITC |
| **Biological origin** | Goat |
| **Physical form** | Fluorochrome coupled purified goat IgG in phosphate buffered saline (pH7.2). |
| **Preservative** | No preservative added |
| **Physicochemical characteristics** | IgG concentration 10 mg/ml. Fluorochrome/IgG protein molar ratio (F/P) approximately 2.0. |
| **Conjugation procedure** | A proprietary technique for the conjugation of FITC is used, followed by several purification steps. After each step activity tested in a variety of techniques. No foreign protein has been added. The conjugate is lyophilized to assure stability and long shelf life. |
| **Intended use** | As an efficient general counterstain for cell and tissue substrates with immunoconjugates with a label contrasting with the greenish-yellow fluorescence of this product.<br>The purpose of counterstaining is to enhance the optical contrast of the immunospecific staining against a counterstained background.<br>Working dilutions fare usually between 1:20 an 1:80. |
| **Directions for use** | The conjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Spin down to remove insoluble particles, divide into small aliquots, and store frozen at or below -20°C. Prior to use an aliquot is thawed at ambient temperature, spun down again, and used to prepare working dilutions by adding sterile PBS pH7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the conjugate.<br>Diluted product should be stored at +4°C, not refrozen, and preferably used the same day. |
| **Packing** | Vial with 1 ml lyophilized conjugate. |
| **Storage / shelf life** | Lyophilized at +4°C — at least 10 years<br>reconstituted at or below -20°C — 3-5 years<br>reconstituted at +4°C — 7 days |
| **Caution** | This product should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For *in vitro* research purposes only. |

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