

For Research Use Only

# ZymeBright™ Biotin Site-Specific Antibody Conjugation Kit

Catalog Number: PK30083



## Product Information

ZymeBright™ Biotin Site-Specific Antibody Conjugation Kit is enzymatic method for the conjugation of Biotin to the Fc region of Rabbit IgG, Rat IgG1 & IgG2a, Human IgG1-4, or Mouse IgG1 & IgG3 for the use in fluorescent immunoassays. The expected degree of labeling (F/P ratio) of antibodies conjugated with this kit is 2.

## Product Components

| Cat No.                                      | Name                                 | Size                      |
|----------------------------------------------|--------------------------------------|---------------------------|
| Component A (PK3007X-A)                      | Antibody Modifier Reagent (Vial A)   | 5 uL                      |
| Component B (PK30083-B)                      | Lyophilized Modified Biotin (Vial B) | 1 rxn                     |
| Component C (PK3007X-C)                      | Lyophilized PTGase (Vial C)          | 3 mg (provided in excess) |
| Component D (PK3007X-D)                      | Conjugation Buffer (Vial D)          | 200 uL                    |
| Component E (PK3007X-E)                      | Quenching Reagent (Vial E)           | 5 mg                      |
| Component F (PK3007X-F)                      | 0.6 mL Low Adhesion Tube             | 0.6 mL*2                  |
| Labeling Scale: 100 ug unconjugated antibody |                                      |                           |

## Package

100 ug

## Storage

Store at -20°C for up to 1 year. After opening, store at 2-8°C. Protect from light and moisture. Reagents must be used within 1 week of opening.

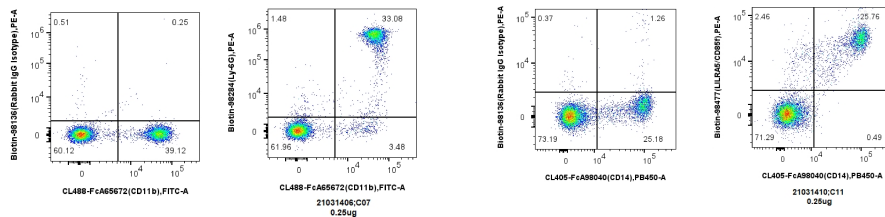
## Buffer Compatibility

| Buffer Components & Conditions                                                                   |             |
|--------------------------------------------------------------------------------------------------|-------------|
| Purified antibody                                                                                | Yes         |
| Antibody in ascites fluid, serum, hybridoma or tissue culture media                              | No          |
| Antibody concentration                                                                           | 0.5-2 mg/mL |
| pH                                                                                               | 6.5-8.0     |
| Amine free buffer (e.g. MES, MOPS, HEPES, PBS)                                                   | Yes         |
| Non-buffering salts (e.g. sodium chloride)                                                       | Yes         |
| BSA                                                                                              | Yes         |
| Sodium Azide                                                                                     | Yes         |
| Chelating agents (e.g. EDTA)                                                                     | Yes         |
| Glycerol                                                                                         | <10%        |
| Sugars                                                                                           | Yes         |
| Gelatin                                                                                          | Unknown     |
| Tris                                                                                             | Yes         |
| Glycine                                                                                          | No          |
| Thiomersal / Thimerosal                                                                          | Yes         |
| Merthiolate                                                                                      | Yes         |
| Proclin                                                                                          | Yes         |
| Borate buffer                                                                                    | Yes         |
| Primary amines (e.g. lysine, peptide or ethanolamine )                                           | No          |
| Heavy metal ions (Zn <sup>2+</sup> , Cu <sup>2+</sup> , Mn <sup>2+</sup> , or Fe <sup>3+</sup> ) | No          |

## Required Materials

Orbital Thermal Mixer, Pipettes, Sterile PBS.

## Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Biotin Anti-Mouse Ly-6G Rabbit RecAb (Biotin-98284, Clone: 242141B11) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9), and PE-conjugated streptavidin (PE-PF00030). Cells were then stained with FcZero-rAb™ CL488 Anti-Mouse... CD11b(CL488-FcA65672, Clone: M1/70), Cells were not fixed.

1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human LILRA5/CD85f Rabbit RecAb (Biotin-98477, Clone: 250298G11), or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with FcZero-rAb@ CL405 Anti-Human CD1... Rabbit Recombinant Antibody (CL405-FcA98040, Clone: 230332D7). Cells were not fixed.

For technical support and original validation data for this product please contact

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