

## PE/Elab Fluor® 594 Anti-Human CD147 Antibody[3A3]

**Catalog Number:** AN00343P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

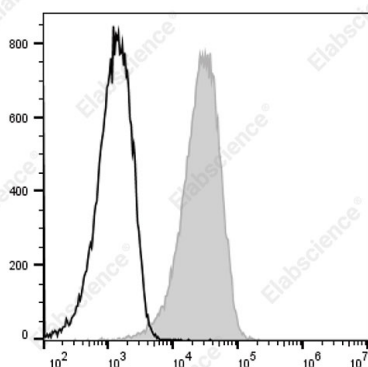
|                                |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human                                                                                                                                                                                                             |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                             |
| <b>Isotype</b>                 | Mouse IgG2a, κ                                                                                                                                                                                                    |
| <b>Clone No.</b>               | 3A3                                                                                                                                                                                                               |
| <b>Isotype Control</b>         | PE/Elab Fluor® 594 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792P]                                                                                                                                  |
| <b>Conjugation</b>             | PE/Elab Fluor® 594                                                                                                                                                                                                |
| <b>Conjugation Information</b> | PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                                                                 |

### Applications

### Recommended usage

|            |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Data



Staining of normal human peripheral blood cells with PE/Elab

Fluor® 594 Anti-Human CD147 Antibody[3A3] (filled gray histogram) or PE/Elab Fluor® 594 Mouse IgG2a, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | Myeloid cell surface antigen CD33,CD33,Sialic acid-binding Ig-like lectin 3,Siglec-3, gp67,SIGLEC3 |
|------------------------|----------------------------------------------------------------------------------------------------|

### For Research Use Only

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Rev. V1.4

**Uniprot ID**

P35613

**Gene ID**

682

**Background**

CD147, also known as neurothelin or basigin, is a member of the Ig superfamily. It is a 55-65 kD type I transmembrane glycoprotein which is primarily expressed on leukocytes, erythrocytes, platelets, and endothelial cells. CD147 is reported to have a function during embryonal brain development and/or play a role in integrin-mediated adhesion in brain endothelia.