

CD14 Monoclonal Antibody (61D3), Brilliant Violet™ 480, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 25 Tests |
| Species Reactivity | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Brilliant Violet™ 480, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 61D3 |
| Conjugate | Brilliant Violet™ 480 |
| Excitation/Emission Max | 437/478 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2925615 |

| Applications | Tested Dilution | Publications |
|-----------------------|--------------------|--------------|
| Flow Cytometry (Flow) | 5 µL (0.5 µg)/test | - |

Product Specific Information

Description: The 61D3 monoclonal antibody reacts with human CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is expressed on monocytes, interfollicular macrophages and some dendritic cells. Complexes of LPS and LBP (LPS-Binding Protein) bind with high affinity to monocytes through the surface CD14.

Applications Reported: This 61D3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 61D3 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells /test.

Brilliant Violet™ 480 (BV480) is a dye that emits at 479 nm and is intended for use on cytometers equipped with a violet (405 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.

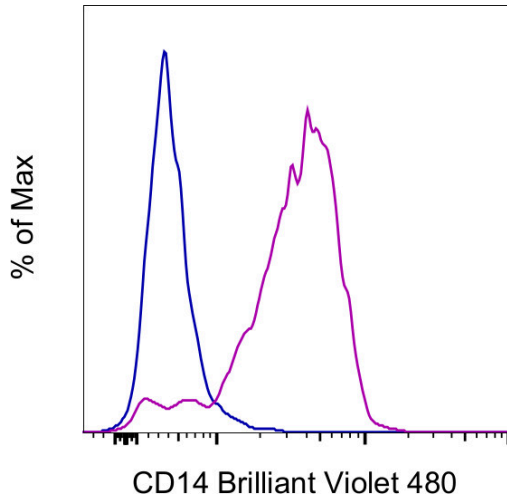
When using two or more Super Bright, Brilliant Violet™, Brilliant Ultra Violet™, or other polymer dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401-42) or Brilliant Stain Buffer™ (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

Our internal testing suggests that Brilliant Violet™ 480 (BV480) is not compatible with methanol-based fixation.

Excitation: 440 nm; Emission: 479 nm; Laser: Violet Laser.

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Product Images For CD14 Monoclonal Antibody (61D3), Brilliant Violet™ 480, eBioscience™



CD14 Antibody (414-0149-41) in Flow

Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, Brilliant Violet 480 (Product # 414-4714-81) (blue histogram) or CD14 Monoclonal Antibody, Brilliant Violet 480 (purple histogram). Cells in the monocyte gate were used for analysis.

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