

CD80 (B7-1) Monoclonal Antibody (2D10.4), Brilliant Ultra Violet™ 395, 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 Ultra Violet™ 395, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2D10.4
Conjugate	Brilliant Ultra Violet™ 395
Excitation/Emission Max	347/399 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_2925273

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1.0 µg)/test	-

Product Specific Information

Description: The 2D10.4 monoclonal antibody reacts with human CD80 (B7-1), a 60 kDa member of the Ig superfamily. CD80 is expressed by activated B cells, macrophages and dendritic cells. In addition, activated T cells express this antigen. CD80 has high affinity for binding to two T cell surface antigens, CD28 and CD152 (CTLA-4). The interaction of CD28 and CD152 with CD80 is crucial in T-B cell communication leading to activation of T and B cells, respectively.

Applications Reported: This 2D10.4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 2D10.4 antibody has been pre-diluted and tested by flow cytometric analysis of Raji cells. This may be used at 5 µL (1.0 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.

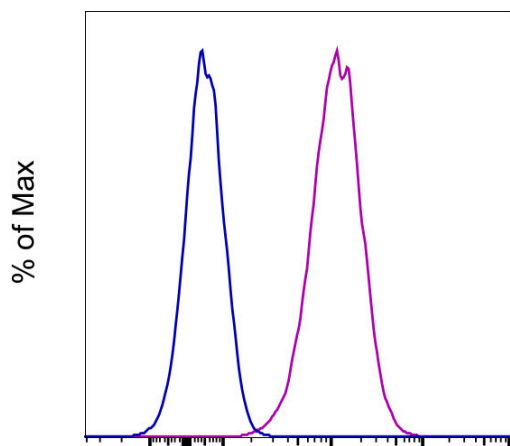
Brilliant Ultra Violet™ 395 (BUV395) is a dye that emits at 395 nm and is intended for use on cytometers equipped with an ultraviolet (355 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.

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.

Excitation: 350 nm; **Emission:** 395 nm; **Laser:** Ultraviolet Laser.

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Product Images For CD80 (B7-1) Monoclonal Antibody (2D10.4), Brilliant Ultra Violet™ 395, eBioscience™



CD80 (B7-1) Brilliant UV 395

CD80 (B7-1) Antibody (363-0809-41) in Flow

Raji cells were stained with Mouse IgG1 kappa Isotype Control, Brilliant Ultra Violet 395 (Product # 363-4714-81) (blue histogram) or CD80 (B7-1) Monoclonal Antibody, Brilliant Ultra Violet 395 (purple histogram). Viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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