

# IgD Monoclonal Antibody (11-26c (11-26)), Super Bright™ 645, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 645, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	11-26c (11-26)
Conjugate	Super Bright™ 645
Excitation/Emission Max	414/645 nm
Form	Liquid
Concentration	0.2 mg/mL
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_2688086

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	-
ELISA (ELISA)	-	1 Publication

## Product Specific Information

**Description:** The 11-26c monoclonal antibody reacts with the delta heavy chain of mouse IgD. It does not react with other classes of mouse immunoglobulin including IgA, IgG or IgM. IgD is expressed by peripheral mature B cells. 11-26c does not activate B cells.

**Applications Reported:** This 11-26c (11-26) antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This 11-26c (11-26) antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.125 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Super Bright 645 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 645 nm. We recommend using a 660/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for

Super Bright Staining Buffer for more information.

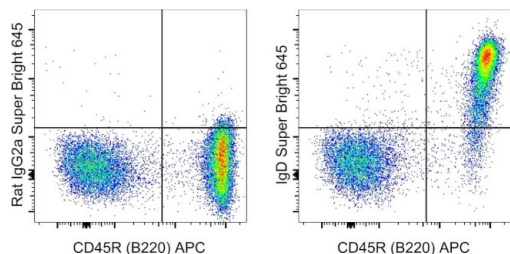
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100  $\mu$ L of cell sample + 100  $\mu$ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4 degrees C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 645 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

## Product Images For IgD Monoclonal Antibody (11-26c (11-26)), Super Bright™ 645, eBioscience™



### IgD Antibody (64-5993-82) in Flow

C57BL/6 mouse splenocytes were stained with CD45R(B220) Monoclonal Antibody, APC (Product # 17-0452) and 0.06  $\mu$ g of Rat IgG2a kappa Isotype Control, Super Bright 645 (Product # 64-4321) (left) or 0.06  $\mu$ g of IgD Monoclonal Antibody, Super Bright 645 (right). Cells in the lymphocyte gate were used for analysis.

## 1 Reference

### ELISA (1)

eLife

#### IgM and IgD B cell receptors differentially respond to endogenous antigens and control B cell fate.

"Published figure using IgD monoclonal antibody (Product # 64-5993-82) in ELISA"

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Year  
2018

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