

Ly-6G Monoclonal Antibody (1A8-Ly6g), Brilliant Ultra Violet™ 395, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Ultra Violet™ 395, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	1A8-Ly6g
Conjugate	Brilliant Ultra Violet™ 395
Excitation/Emission Max	347/399 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_2925308

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

Product Specific Information

Description: The monoclonal antibody 1A8-Ly6g reacts with mouse Ly-6G, which is also known as Gr-1. Ly-6G is a 25-kDa GPI protein expressed exclusively by neutrophils. Studies suggest an important role in neutrophil infiltration, recruitment and migration. Ly-6G associates with B2 integrins CD11a and CD11b and can attenuate B2 integrin expression and function. The ligand for Ly-6G is currently unknown.™

™ Unlike the RB6-8C5 antibody, 1A8-Ly6g is reported to only bind to Ly-6G found on neutrophils. Moreover, 1A8-Ly6g has been used to deplete neutrophils and reported to have antagonist activity.™

™ Applications Reported: This 1A8-Ly6g antibody has been reported for use in flow cytometric analysis.™

™ Applications Tested: This 1A8-Ly6g antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This may be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.™

™ 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.™

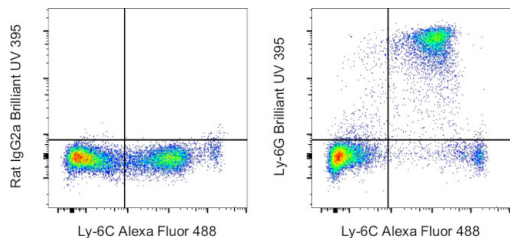
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Excitation: 350 nm; Emission: 395 nm; Laser: Ultraviolet Laser.™

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Product Images For Ly-6G Monoclonal Antibody (1A8-Ly6g), Brilliant Ultra Violet™ 395, eBioscience™



Ly-6G Antibody (363-9668-80) in Flow

BALB/c mouse bone marrow cells were stained with Ly-6G Monoclonal Antibody, Alexa Fluor 488 (Product # 53-5932-82) and 0.5 µg of Rat IgG2a kappa Isotype Control, Brilliant Ultra Violet 395 (Product # 363-4321-81) (left) or 0.5 µg of Ly-6G Monoclonal Antibody, Brilliant Ultra Violet 395 (right). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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