

NKG2AB6 Monoclonal Antibody (16a11), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Mouse
Host / Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	16a11
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_2573799

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	5 Publications

Product Specific Information

Description: The 16a11 monoclonal antibody reacts with the mouse NKG2A^{B6}. NKG2 molecules belong to a C-type lectin-like family of cell surface receptors expressed by mouse NK and NKT cell lineages. NKG2 molecules form heterodimeric complexes with CD95 and are responsible for recognition of non-classical MHC class I antigen Qa-1. This antibody reacts with the C57Bl/6 mouse strain, but does not react with the BALB/c or 129 mouse strains. When co-staining with NKG2A/C/E clone 20d5, it is important to stain for NKG2A^{B6} first then subsequently with NKG2A/C/E, as steric hindrance has been observed if co-stained concurrently.

Applications Reported: This 16a11 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 16a11 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 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.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

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 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse

Solution ([Product # 00-5333](#)) for up to 3 days in the dark at 4°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: 488 nm; **Emission:** 710 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Visit thermofisher.com to view references and figures.

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