

IRF8 Monoclonal Antibody (V3GYWCH), Alexa Fluor 488, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Human, Mouse
Host / Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	V3GYWCH
Conjugate	Alexa Fluor® 488
Form	Liquid
Concentration	0.5mg/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_2784762

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

Product Specific Information

Description: The V3GYWCH monoclonal antibody reacts with human and mouse interferon regulatory factor 8 (IRF8; ICSBP). IRF8 is a 50 kDa transcription factor that plays a critical role in the development of dendritic cells (DC). Specifically, IRF8 is essential in the development and differentiation of plasmacytoid DC (pDC) and CD8a+ DC. IRF8-/- mice are deficient in both pDC and CD8a+ DC populations. CD8a- DC are present in normal numbers in IRF8-/- mice but fail to mature upon Toll-like receptor signaling and are functionally impaired in response to in vivo microbial stimulation. IRF8 deficiency does not affect the frequency or viability of DC precursors and as a result retroviral IRF8 transduction restores pDC development from DC progenitors in IRF8-/- mice.

Applications Reported: This V3GYWCH antibody has been reported for use in flow cytometric analysis.

Applications Tested: This V3GYWCH antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at less than or equal to 0.25 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.

Excitation: 488 nm; **Emission:** 519 nm; **Laser:** Blue Laser.

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