ID2 Monoclonal Antibody (ILCID2), eFluor™ 450, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ILCID2
Conjugate	eFluor™ 450
Immunogen	Purified recombinant fragment of human ID2, corresponding to amino acids 1-134 expressed in E. coli
Form	Liquid
Concentration	0.2 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2735052

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1.0 µg/test	1 Publication

Product Specific Information

Description: This ILCID2 monoclonal antibody recognizes mouse and human ID2. This ILCID2 antibody requires Foxp3 /Transcription Factor Staining Buffer set and will perform poorly when used with standard IC Fixation & Permeabilization Buffer Set and protocol.

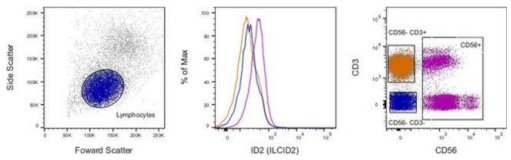
Applications Reported: This ILCID2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This ILCID2 antibody has been tested by flow cytometric analysis of mouse splenocytes using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523) and protocol. Please refer to Best Protocols: Protocol B: One step protocol for (nuclear) intracellular proteins located under the Resources Tab online. 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

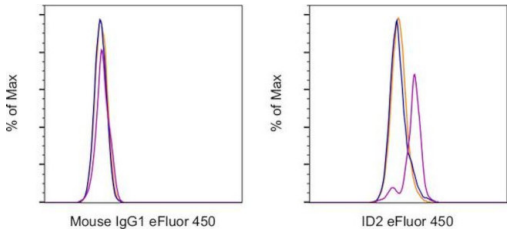
eFluor™ 450 is an alternative for Pacific Blue™. eFluor 450 emits at 446 nm and is excited with the violet laser line (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser

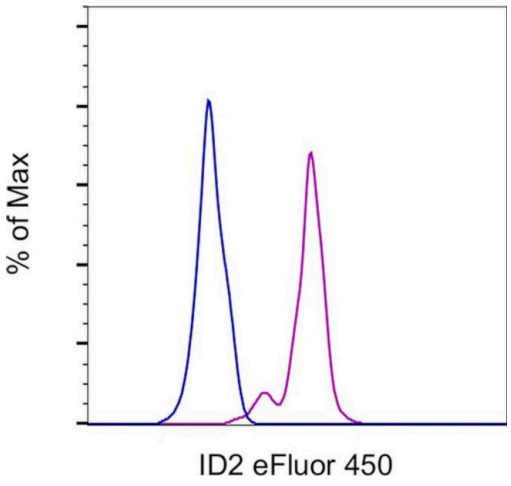
Product Images For ID2 Monoclonal Antibody (ILCID2), eFluor™ 450, eBioscience™



ID2 Antibody (48-9475-80)
Intracellular staining of human peripheral blood cells. As expected based on known relative expression patterns, ID2 clone ILCID2 stains CD56+ lymphocytes but not CD56- lymphocytes. Details: Human PBMC were surface stained with CD56 (clone TULY56) and CD3 (clone UCHT1), followed by intracellular staining with ID2 (clone ILCID2) using the Foxp3/Transcription Factor Staining Buffer Set and protocol. Lymphocytes in the CD56+ (purple histogram), CD3+CD56- (orange histogram), and CD3-CD56- (blue histogram) gates were used for analysis. {RE}



ID2 Antibody (48-9475-80) in Flow
C57BL/6 mouse splenocytes stained intracellularly, using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with either 1.0 µg of Mouse IgG1 kappa Isotype Control, eFluor 450 (Product # 48-4714-82) (left) or 1.0 µg of ID2 Monoclonal Antibody, eFluor 450 (right). Cells were co-stained and gated based on the expression of both NK1.1 Monoclonal Antibody, APC (Product # 17-5941-82) and CD49b Monoclonal Antibody, APC (Product # 17-5971-82) (purple histogram); CD4 Monoclonal Antibody, FITC (Product # 11-0042-82) (blue histogram); CD3 Monoclonal Antibody, PerCP eFluor710 (Product # 46-0032-82) (orange histogram). Cells in the lymphocyte gate were used for analysis.



ID2 Antibody (48-9475-80) in Flow
C57BL/6 mouse splenocytes were stained intracellularly, using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with 1.0 µg of Mouse IgG1 kappa Isotype Control, eFluor 450 (Product # 48-4714-82) (blue histogram) or 1.0 µg of ID2 Monoclonal Antibody, eFluor 450 (purple histogram). Splenocytes within the lymphocyte gate positive for NK1.1 Monoclonal Antibody, APC (Product # 17-5941-82) and CD49b Monoclonal Antibody, APC (Product # 17-5971-82) were used for analysis.

View more figures on thermofisher.com

1 Reference

Flow Cytometry (1)

Immunity

Insulin-like Growth Factor 1 Supports a Pulmonary Niche that Promotes Type 3 Innate Lymphoid Cell Development in Newborn Lungs.

"Published figure using ID2 monoclonal antibody (Product # 48-9475-82) in Flow Cytometry"

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Year
2020