

ID2 Monoclonal Antibody (ILCID2), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	ILCID2
Conjugate	PE
Immunogen	Purified recombinant fragment of human ID2, corresponding to amino acids 1-134 expressed in E. coli
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2735055

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

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 and Permeabilization Buffer Set and protocol.

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

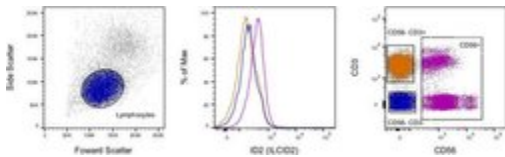
Applications Tested: This ILCID2 antibody has been tested by flow cytometric analysis of mouse splenocytes using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523) and protocol. Please refer to Best Protocols: Protocol B: One step protocol for (nuclear) intracellular proteins located 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

Advanced Verification Data

ID2 Antibody (12-9475-82)

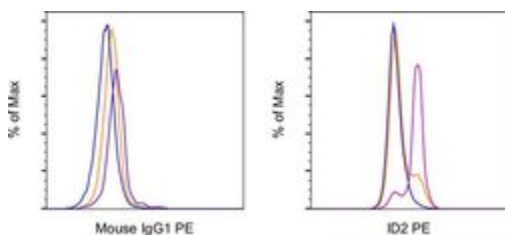
Intracellular staining of human peripheral blood cells. As expected based on known relative expression patterns, ID2 clone ILCID2 stains CD56+ lymphocytes but not CD56- lymphocytes. Details: Human PBMC were surface stained with CD56 (clone TULY56) and CD3 (clone UCHT1), followed by intracellular staining 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. Relative expression validation info.



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

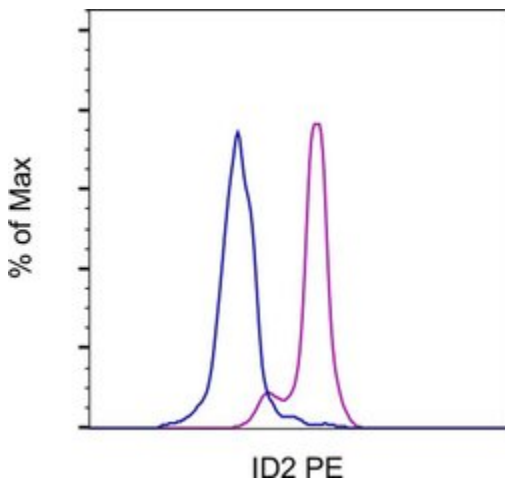
ID2 Antibody (12-9475-82) in Flow

C57BL/6 mouse splenocytes were 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, PE (Product # 12-4714-82) (left) or 1.0 µg of ID2 Monoclonal Antibody, PE (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); CD45R Monoclonal Antibody, PerCP-Cyanine5.5 (Product # 45-0452-82) (blue histogram); CD4 Monoclonal Antibody, FITC (Product # 11-0042-82) (orange histogram). Cells in the lymphocyte gate were used for analysis.



ID2 Antibody (12-9475-82) 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, PE (Product # 11-4714-82) (blue histogram) or 1.0 µg of ID2 Monoclonal Antibody, PE (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.



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