

# CD85j (ILT2) Monoclonal Antibody (HP-F1), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HP-F1
Conjugate	APC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1311214

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.25 µg)/test	3 Publications

## Product Specific Information

Description: The monoclonal antibody HP-F1 recognizes CD85j, also known as ILT2, LILRB1, and LIR1. CD85j is a member of the ILT (immunoglobulin-like transcript)/LIR (leukocyte Ig-like receptor)/MIR (monocyte Ig-like receptor) family. CD85j is a single transmembrane glycoprotein with a long cytoplasmic domain containing 4 ITIMs which signal through interactions with SHP-1. Expression is found on myeloid cells (monocytes and dendritic cells) and some lymphoid cells including, subsets of NK, T and B cells. Expression has been correlated with leukemias such as ALL and CLL. Expression on CD8+ cells correlates with effector cell function and plays an important role in viral infections, including HIV, Epstein Barr and CMV. The ligands for CD85j are MHC Class I molecules such as HLA-G, A, F, B27, E and F.

The monoclonal antibody HP-F1 has been shown to reduce the amount of CD16- dependent cytolytic activity of functional NK cells.

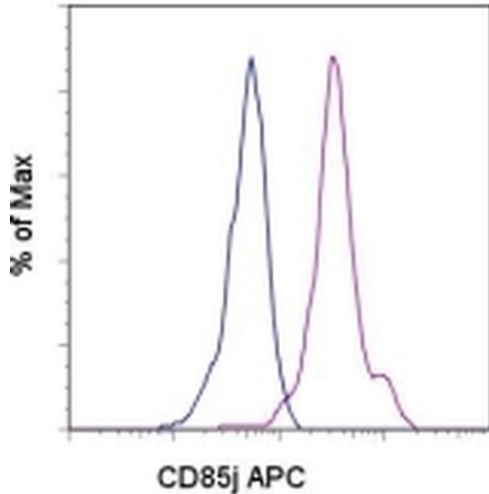
Applications Reported: This HP-F1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HP-F1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD85j (ILT2) Monoclonal Antibody (HP-F1), APC, eBioscience™



### CD85j (ILT2) Antibody (17-5129-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (blue histogram) or Anti-Human CD85j (ILT2) APC (purple histogram). Cells in the monocyte gate were used for analysis.

### 3 References

#### Flow Cytometry (3)

##### Oncoimmunology

### Targeting Ewing sarcoma with activated and GD2-specific chimeric antigen receptor-engineered human NK cells induces upregulation of immune-inhibitory HLA-G.

"Published figure using CD85j (ILT2) monoclonal antibody (Product # 17-5129-42) in Flow Cytometry"

Authors: Kailayangiri S, Altvater B, Spurny C, Jamitzky S, Schelhaas S, Jacobs AH, Wiek C, Roellecke K, Hanenberg H, Hartmann W, Wiendl H, Pankratz S, Meltzer J, Farwick N, Greune L, Fluegge M, Rossig C

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2018

##### Scientific reports

### NOD1 modulates IL-10 signalling in human dendritic cells.

"17-5129 was used in Flow cytometry/Cell sorting to investigate the regulatory role that NOD1 plays by modulating IL-10 signalling in human dendritic cells during anti-inflammatory immune responses."

Authors: Neuper T, Ellwanger K, Schwarz H, Kufer TA, Duschl A, Horejs-Hoecck J

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2017

[View more Flow references on thermofisher.com](#)

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