

# CD127 Monoclonal Antibody (eBioRDR5), NovaFluor™ Blue 725, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	eBioRDR5
Conjugate	NovaFluor™ Blue 725
Excitation/Emission Max	492/725 nm
Form	Liquid
Concentration	0.8 µg/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_3679302

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.8 µg)/test	-

## Product Specific Information

### Description

The eBioRDR5 monoclonal antibody reacts with human CD127 (Interleukin-7 Receptor alpha).

This product contains 1 vial of NovaFluor conjugate and 1 vial of CellBlox Plus Blocking Buffer.

### Applications Tested

This eBioRDR5 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.8 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.

### Master mixes

- Master mixes of NFs should be made at 2-8 °C and may be made up to 4 hours ahead of time.
- We do not recommend storing master mixes containing NovaFluor conjugates overnight or longer.

### Whole Blood compatibility

- When utilizing whole blood (as opposed to density-gradient-purified PBMC), we recommend lysing red blood cells in bulk prior to staining with NovaFluor conjugates.
- See the Bulk Lysis of Human Whole Blood protocol [here](#).
- Staining of whole blood with NovaFluor conjugates followed by lysis of red blood cells may result in higher-than-expected background staining.

### Viability dye compatibility

- NovaFluor dyes are not compatible with DNA intercalating viability dyes.

• Do not use viability dyes such as propidium iodide, 7-actinomycin D (7-AAD) and DAPI. Invitrogen LIVE/DEAD Fixable Dead Cell stains are recommended for use with NovaFluor dyes.

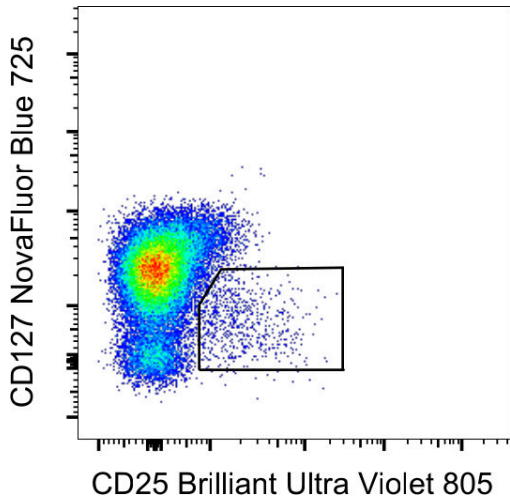
CellBlox Plus Blocking Buffer

- This NovaFluor conjugate comes with CellBlox Plus Blocking Buffer (Cat. No. C001T03F01), essential for optimal staining.
- Use CellBlox Plus Blocking Buffer in all experiments with NovaFluor conjugates.
- Add 5 L per sample to antibody cocktails/master mixes (regardless of how many Novafluor-conjugated antibodies are present) before combining with cells.
- CellBlox Plus Blocking Buffer is compatible with either Super Bright Complete Blocking Buffer or Brilliant Stain Buffer and can be used in antibody cocktails/master mixes with those reagents.
- For single-color controls, use 5 L of CellBlox Plus Blocking Buffer per 100 L of cell sample (10<sup>3</sup> to 10<sup>8</sup> cells).

NovaFluor conjugates are based on Phiton technology utilizing novel fluorophore-containing nucleic acid dye structures that allow for engineered fluorescent signatures with consideration for spillover and spread impacts. [Learn more](#)

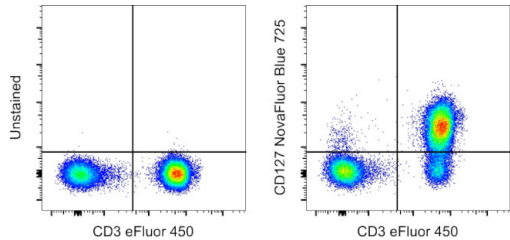
Excitation: 493 nm; Emission: 726 nm; Laser: 488 nm (Blue) Laser

Product Images For CD127 Monoclonal Antibody (eBioRDR5), NovaFluor™ Blue 725, eBioscience™



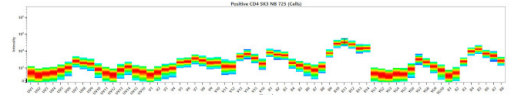
CD127 Antibody (H017T03B10-A) in Flow

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0038-42), CD25 Monoclonal Antibody, Brilliant Ultra Violet 805 (Product # 368-0259-42), and CD127 Monoclonal Antibody, NovaFluor Blue 725. Viable CD3+ cells in the lymphocyte gate were used for analysis, as determined by LIVE/DEAD Blue (Product # L34962). Data was acquired on a 5-laser Cytex Aurora and unmixed with autofluorescence extraction.



CD127 Antibody (H017T03B10-A) in Flow

Normal human peripheral blood cells were unstained (left) or stained with CD127 Monoclonal Antibody, NovaFluor Blue 725 (right). All cells were co-stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0038-42). Total viable cells in the lymphocyte gate were used for analysis, as determined by LIVE/DEAD Blue (Product # L34962). Data was acquired on a 5-laser Cytex Aurora and unmixed with autofluorescence extraction.



CD127 Antibody (H017T03B10-A) in Flow

Spectral signature for NovaFluor Blue 725 collected on a 5-laser Cytex Aurora Full Spectrum flow cytometer using Cytex assay settings. Human peripheral blood mononuclear cells were stained with anti-human CD4 (SK3) and signatures displayed following gating on the lymphocyte population.

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