

IL-33R (ST2) Monoclonal Antibody (hIL33Rcap), PerCP-eFluor 710, eBioscience™

Product Details	
Size	100 Tests
Species	Human
Expression System	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	hIL33Rcap
Conjugate	PerCP-eFluor™ 710
Immunogen	Extracellular domain of human IL-33R protein
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_2762466

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	-

Product Specific Information

Description: This hIL33Rcap monoclonal antibody recognizes human IL-33R, also known as ST2. This antibody binds both, the membrane bound form (ST2L) and the soluble form (ST2S). This antibody is suitable for both surface and intracellular staining.

This hIL33Rcap clone is also used as a capture antibody in the IL-33R (ST2) Human ProcartaPlex™ Simplex Kit (Product # EPX010-12231-901)

Applications Reported: This hIL33Rcap antibody has been reported for use in flow cytometric analysis.

Applications Tested: This hIL33Rcap antibody has been pre-diluted and tested by flow cytometric analysis of LAD2 cells. This may be used at 5 µL (0.125 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.

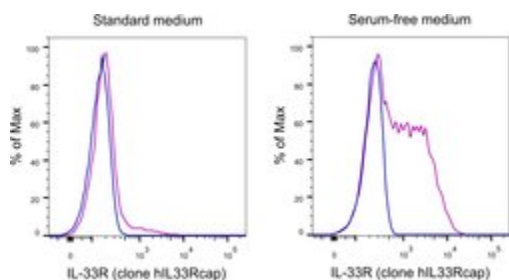
PerCP-eFluor™ 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

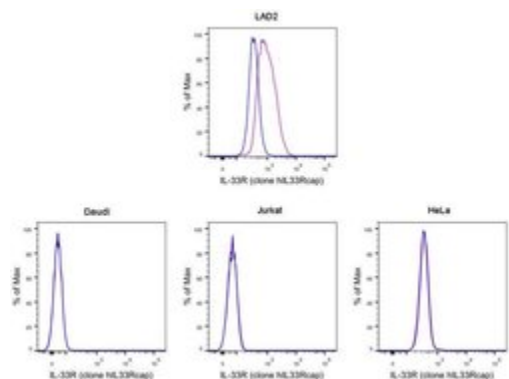
Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser

Advanced Verification Data



IL-33R (ST2) Antibody (46-9338-42)

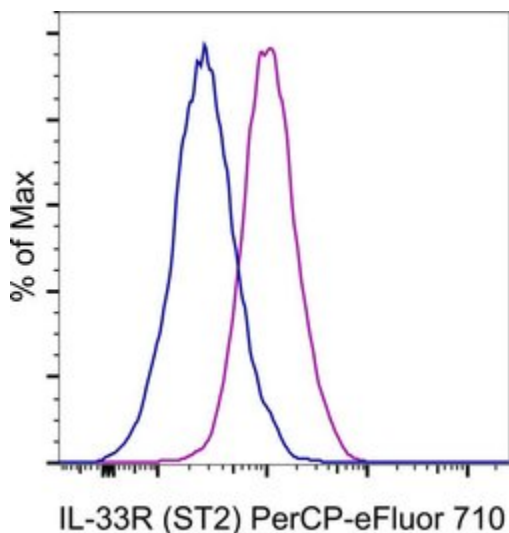
Staining of KU812 cells cultured in either standard (left panel) or serum-free conditions (right panel). As expected based on reports showing that KU812 cells mature under serum-free conditions, clone hIL33Rcap stains a significant fraction of cells cultured in serum-free medium, but hardly any KU812 cells cultured in standard conditions. Details: KU812 human basophil cell line was cultured either in standard conditions (RPMI1640 with 10% Fetal Bovine Serum) or in serum-free conditions (Hybridoma-SFM Medium, Gibco, Product # 12045084). The cells were stained with either IgG1 isotype (blue histograms), or IL-33R (ST-2, clone hIL33Rcap). Viable cells were used for analysis. Cell treatment validation info.



IL-33R (ST2) Antibody (46-9338-42)

Staining of four indicated cell lines. As expected based on known expression of human IL-33R (ST-2) by LAD2 human mast cell line, clone hIL33Rcap stains LAD2 cells but not Daudi, Jurkat and HeLa cells. Details: The indicated cell lines were Fc blocked and stained with either mouse IgG1 isotype (blue histograms), or IL-33R (ST-2, clone hIL33Rcap). Viable cells were used for analysis. Relative expression validation info.

Product Images For IL-33R (ST2) Monoclonal Antibody (hIL33Rcap), PerCP-eFluor 710, eBioscience™



IL-33R (ST2) Antibody (46-9338-42) in Flow

LAD2 cells were stained with Mouse IgG1 kappa Isotype Control, PerCP-eFluor 710 (Product # 46-4714-82) (blue histogram) or IL-33R (ST2) Monoclonal Antibody, PerCP-eFluor 710 (purple histogram). Total viable cells were used for analysis, as determined by Fixable Viability Dye eFluor 450 (Product # 65-0863-18).

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.