

bs-2545R**[Primary Antibody]****IL-2R gamma Rabbit pAb**

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DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3561**SWISS:** P31785**Target:** IL-2R gamma**Immunogen:** KLH conjugated synthetic peptide derived from human IL-2R gamma: 51-150/369. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

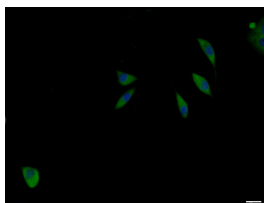
Background: The protein encoded by this gene is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in this gene cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder. [provided by RefSeq, Mar 2010]

Applications: **Flow-Cyt** (1µg /test)
ICC/IF (1:100)

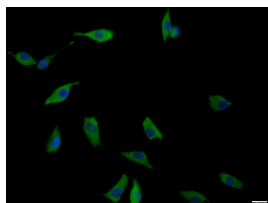
Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Dog)

Predicted MW.: 41 kDa

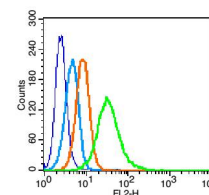
Subcellular Location: Cell membrane

VALIDATION IMAGES

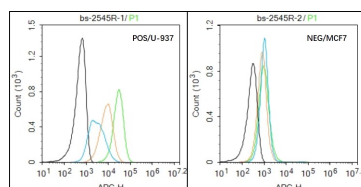
SHSY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (IL-2R gamma) polyclonal Antibody, Unconjugated (bs-2545R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



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Blank control: U937(blue). Primary Antibody: Rabbit Anti-IL-2R,gamma antibody(bs-2545R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions. Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min).Primary antibody (bs-2545R, 1µg/1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Black line : Positive blank control (U937);
Negative blank control (MCF7) Green line :
Primary Antibody (Rabbit Anti-2R gamma
antibody (bs-2545R)) Orange line: Isotype
Control Antibody (Rabbit IgG) . Blue line :
Secondary Antibody (Goat anti-rabbit IgG-AF647)
U937 (Positive) and MCF7 (Negative
control) cells (black) were incubated in 5% BSA
blocking buffer for 30 min at room temperature.
Cells were then stained with 2R gamma
Antibody(bs-2545R)at 1:50 dilution in blocking
buffer and incubated for 30 min at room
temperature, washed twice with 2% BSA in PBS,
followed by secondary antibody(blue)
incubation for 40 min at room temperature.
Acquisitions of 20,000 events were performed.
Cells stained with primary antibody (green), and
isotype control (orange).

— SELECTED CITATIONS —

- **[IF=4.718]** Arumugam P et al. Expression of a Functional IL-2 Receptor in Vascular Smooth Muscle Cells. The Journal of Immunology,2018 j11701151. WB ;Human. doi:10.4049/jimmunol.1701151