10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Biotin Anti-Mouse CD127 (IL-7Ra) (A7R34) Antibody

Catalog # ATB10080

Specification

Biotin Anti-Mouse CD127 (IL-7Ra) (A7R34) Antibody - Product Information

Application	**FC**
Isotype	**Rat IgG2a, kappa**
Concentration	**0.5 mg/mL**
Reactivity	**Mouse**
Formulation	**10 mM NaH_2PO_4, 150 mM NaCl, 0.09% NaN_3, 0.1% gelatin, pH7.2**
Host	**Rat**

Biotin Anti-Mouse CD127 (IL-7Ra) (A7R34) Antibody - Additional Information

Gene ID	**16172**
Gene Name	**Il17ra**

Alternative Name(s)
Interleukin-7 Receptor alpha, IL-7Ra

Format
Biotin

Preparation
This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Application Notes
This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Storage Conditions
2-8°C protected from light

Biotin Anti-Mouse CD127 (IL-7Ra) (A7R34) Antibody - Protocols

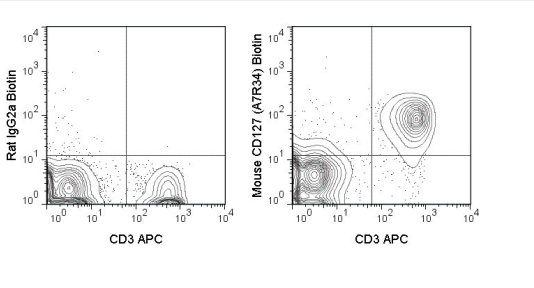
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Cell Culture

Biotin Anti-Mouse CD127 (IL-7Ra) (A7R34) Antibody - Images



C57Bl/6 splenocytes were stained with CD3 APC and 0.06 ug Anti-Mouse CD127 Biotin (ATB10080) (right panel) or 0.06 ug Rat IgG2a Biotin isotype control (left panel), followed by Streptavidin PE.

Biotin Anti-Mouse CD127 (IL-7Ra) (A7R34) Antibody - Background

The A7R34 antibody is specific for mouse CD127, a 60-90 kDa cell surface protein also known as the Interleukin-7 Receptor alpha chain, or IL-7R alpha. CD127 is typically expressed at the cell surface as a heterodimer with the common gamma chain (CD132). This complex acts as the functional receptor for IL-7, a cytokine important in T and B cell development, and in mature T cell homeostasis. A second cytokine known as Thymic Stromal Lymphopoietin (TSLP) also binds to a receptor complex of CD127 and the TSLPR chain to trigger activation of dendritic cells, and is involved in B cell development, allergy and autoimmunity.The A7R34 antibody may be used as a phenotypic marker for CD127 on immature B cells, on subsets of thymocytes which are double negative (CD4-CD8-) or single positive (CD4+ or CD8+), and at low levels on mature, peripheral T cells. CD127 is a key marker, when used in combination with CD4 and CD25, to distinguish Treg and effector/memory Treg populations known as T(REM).