

Biotin Anti-Mouse CD126 (IL-6R) Monoclonal Antibody

天津三箭生物技术股份有限公司
Tianjin Sungene Biotech Co., Ltd.
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M11261-08B	50 µg
M11261-08E	500 µg

Market | 400-621-0003
marketing@sungenebiotech.com

Support | 022-66211636-8024
techsupport@sungenebiotech.com

Web | www.sungenebiotech.com

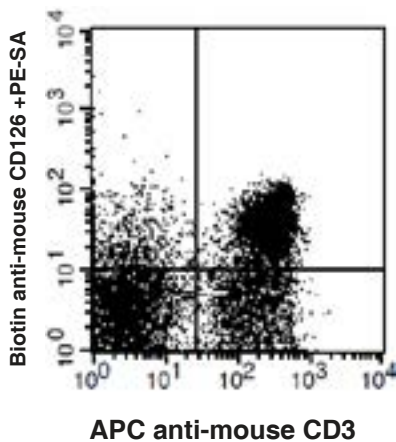
Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

Purified Antibody Characterization

Clone	Isotype	Reactivity
15A7	Rat IgG2b	Mouse

Description

CD126 is an 80 kD IL-6 receptor α chain also known as IL-6R. It is a member of the immunoglobulin superfamily that is expressed on activated T and B cells, monocytes, hepatocytes, and plasma cells. High affinity IL-6 receptors are formed by the non-covalent association of CD126 and the IL-6 receptor β chain (CD130 or gp130). CD126 binds IL-6 with low affinity, but does not signal. The β chain (gp130, CD130) does not bind IL-6 by itself, but associates with the α -chain/IL-6 complex to initiate signal transduction. IL-6 binding to the receptor complex results in the stimulation of B and T cells, and hematopoietic precursor proliferation and differentiation. The D7715A7 (15A7) antibody blocks IL-6/IL-6 receptor interactions.

Illustration of Immunofluorescent Staining

C57BL/6 mouse splenocytes stained with APC anti-mouse CD3 and Biotin anti-mouse CD126 (IL-6R), followed by PE-Streptavidin

Product Information

Conjugation: Biotin

Formulation: PBS pH 7.2, 0.09% NaN_3 , 0.2% BSA

Concentration: 0.5 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used $\leq 1.0 \mu\text{g} / 10^6$ cells in 100 μl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Taga T, et al. 1997. Annu. Rev. Immunol. 15:797.
- [2] Fitzgerald K, et al. 2001. The Cytokine FactsBook. Academic Press London.
- [3] Boulanger MJ, et al. 2003. Science 300:2101.

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