

IL-7 Monoclonal antibody

Catalog Number: 60206-1-Ig **3 Publications**

Basic Information

Catalog Number: 60206-1-Ig	GenBank Accession Number: BC047698	Purification Method: Protein A purification
Size: 1100 μ g/ml	GeneID (NCBI): 3574	CloneNo.: 5D5G7
Source: Mouse	UNIPROT ID: P13232	Affinity: $K_D = 7.40 \times 10^{-10}$
Isotype: IgG2b	Full Name: interleukin 7	$K_{off} = 7.82 \times 10^{-6}$
Immunogen Catalog Number: AG16314	Calculated MW: 20 kDa	$K_{on} = 1.06 \times 10^4$

Applications

Tested Applications:
ELISA**Cited Applications:**
WB, IF**Species Specificity:**
human**Cited Species:**
human

Background Information

Interleukin-7 (IL7) is a cytokine important for B and T cell development. IL7 plays an active role in the development, survival, maintaining and restoring homeostasis of mature T lymphocytes. It is also a key regulator of the commitment, survival, proliferation and maturation of B cells during development. Furthermore, IL7 can improve the antiviral function and expansion of natural killer (NK) cells and regulate the development and differentiation of dendritic cells. IL7 has also been reported as a regulator of the development of central nervous system and myogenesis and skeletal muscle cell migration.

Notable Publications

Author	Pubmed ID	Journal	Application
Xuguang Chen	31078730	Free Radic Biol Med	
Min A Seol	31061414	Sci Rep	WB, IF
Chongxu Zhang	32350353	Sci Rep	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

