

## Product datasheet for **TA810802M**

### IL2 Mouse Monoclonal Antibody [Clone ID: OTI5A9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5A9
Applications:	IHC, WB
Recommended Dilution:	IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 21-153 of human IL2 (NP_000577) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	17.4 kDa
Gene Name:	interleukin 2
Database Link:	<a href="#">NP_000577</a> <a href="#">Entrez Gene 3558 Human</a> <a href="#">P60568</a>

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**Background:**

The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Jul 2008]

**Synonyms:**

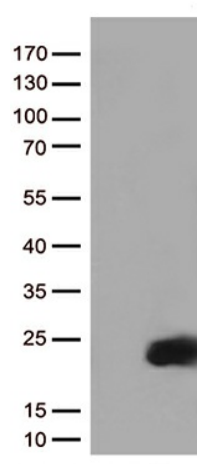
IL-2; lymphokine; TCGF

**Protein Families:**

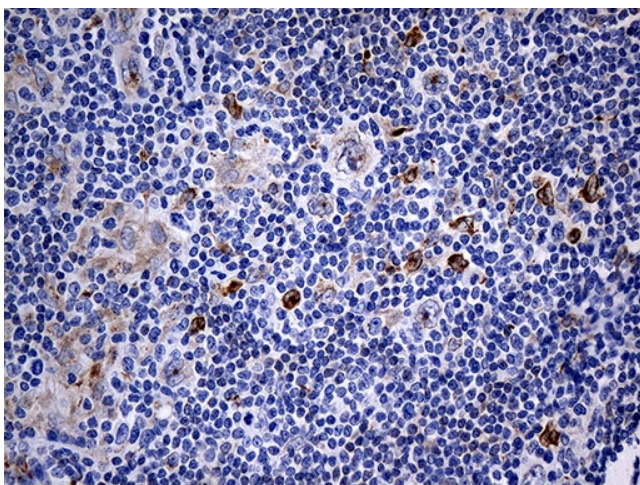
Druggable Genome, Secreted Protein

**Protein Pathways:**

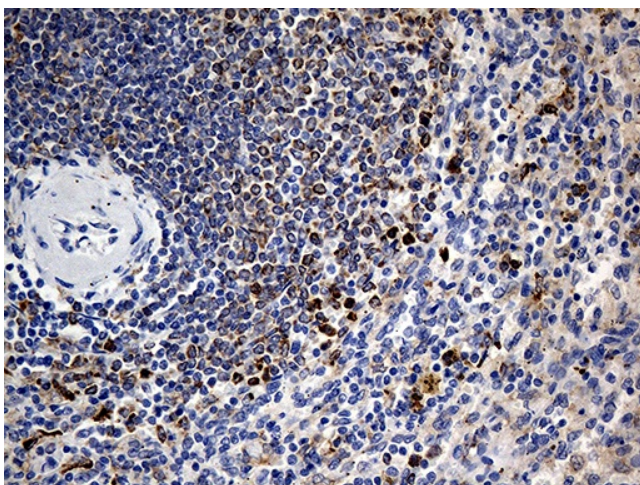
Allograft rejection, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Graft-versus-host disease, Jak-STAT signaling pathway, T cell receptor signaling pathway, Type I diabetes mellitus

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IL2 ([RC210013], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IL2 (1:500).



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-IL2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human spleen tissue within the normal limits using anti-IL2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.