

Mouse Anti-Swine IL-2 Monoclonal Antibody

Cat. No.: VD10H78

Product Type: Animal-targeted Antibodies

Size: 0.1 mg; 0.5 mg; 1 mg

Product Overview

O17H78 monoclonal antibody is specific for Swine Interleukin-2 (IL-2), also known as TCGF. It was prepared by affinity chromatography on Protein G from tissue culture supernatant. It can be applied for Flow Cytometry (FC); ELISA and Western Blot (WB).

Specifications

Application	ELISA; WB; FC
Clonality	Monoclonal Antibody
Classification	Primary Antibody
Clone	O17H78
Host	Mouse
Target Species	Swine
Species Reactivity	Swine
Specificity	Swine IL-2
Isotype	IgG2b
Immunogen	E. coli-derived rIL-2
Purification	Protein G Purified
Purity	≥ 90% (SDS-PAGE)
Conjugation	Unconjugated
Preservative and Stabilizer	5% Trehalose
Physical State	Lyophilized

Target Information

Interleukin-2 (IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system. Swine IL2 resembles rat and human IL2 in that it has an apparent molecular weight of approximately 15,000. IL-2 is produced by activated CD4-positive helper T-cells and to a lesser extent activated CD8-positive T-cells and natural killer (NK) cells. IL-2 plays pivotal roles in the immune response and tolerance.

Target	Swine IL-2
Target Synonym	IL2; TCGF; POIL2
Gene ID	396868
UniProt ID	P26891

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at -20 °C on receipt (up to 12 months).

Reference

Damoiseaux, Jan. "The IL-2-IL-2 receptor pathway in health and disease: The role of the soluble IL-2 receptor." *Clinical Immunology* 218 (2020): 108515.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.