

Rabbit Anti-TP-5/Thymopentin antibody

SL0392R

Product Name TP-5/Thymopentin

Chinese Name 胸腺五肽抗体

Research Area Tumour Cell biology immunology Diabetes lymphocyte t-lymphocyte

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat,)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA
(Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Cellular localization cytoplasmic The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human TP-5/Thymopentin

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Sequence:: H-Arg-Lys-Asp-Val-Tyr-OH
MW: 679.8

Product Detail

SWISS:
N/A

Gene ID:

N/A

胸腺五肽的作用之一是诱导 TCell differentiation。它可选择性地诱导 Thy-1-的前胸腺细胞和 T 细胞。其 TCell differentiation 作用由胞内 cAMP 水平升高介导。胸腺五肽的另一基本作用是诱导外周血 T 细胞的特异受体结合，使胞内 cAMP 水平上升，从而诱发一系列胞内反应，这是 T 细胞调节功能的基础。在正常机体状态下胸腺五肽显现免疫刺激作用，能显著增高脾 lymphocyte 的结形成率及转化率，对免疫应答的初次或再次反应的不同阶段都有增强作用，能增多 IgM 或 IgA 类型的抗体形成细胞。胸腺五肽还可增强巨噬细胞的吞噬功能，增加多形核嗜中性粒细胞的吞噬功能，升高循环抗体含量，增强红细胞免疫功能。胸腺五肽能活化 CD4 和 CD8 阳性的 Tc 细胞寿命维持更长时间，同时也可活化 Th 细胞，诱导 Ts 细胞的功能。胸腺五肽的免疫调节作用与它增进 TC 细胞活性相关。在抗感染免疫中适量胸腺五肽可明显增加 Interferon 的产生和促进 TCell differentiation 成熟；调节 Tlymphocyte 亚群比例使 CD4/CD8 趋于正常；增强巨噬细胞的吞噬功能；增强红细胞免疫功能；提高 Natural killer cells 的活力；提高白介素-2 的产生和表达水平；增强外周血单核细胞 γ Interferon 的产生；增强血清中 SOD 活性。