

Thymus gland

- The ~~thym~~ thymus gland is a lobular structure located between ~~the~~ lungs behind sternum on the ventral side of aorta.
- This gland secretes the peptide hormones called thymosins.
- Thymus is degenerated in old individuals resulting in a decreased production of thymosins. As a result, the immune responses of old persons become weak.

Thymus

Release.

[Thymosin Hormone]

Stimulate

Stimulate

Cell-mediated Immunity
(C.M.I)

Body fluid

Humoral Immunity
or

or
T-Lym mediated Immunity

B-Lymphocyte -
Mediated immunity

Maturation
&
Differentiation

→ T Helper cells

→ T killer cells

→ T suppressor cells

→ T-memory cells.

B-memory
cells

plasma
cells

Produced
Antibody