

NON-SPECIFIC IMMUNE RESPONSE

1- Non-specific immune response:

1) Effector Cells:

- Monocytes (Macrophage)
- Granulocytes

2) Antigen independent (It does not depend on the antigen)

3) Phagocytosis

4) Inflammation

5) No memory against the antigen

2- First line of defense: Natural barriers

(prevent entry of foreign micro-organism)

Second line of defense: Non-specific immune response

Third line of defense: Specific immune response

Name of the natural barrier	Role
Tears	Wash the eye from microbes they contain enzymes called <i>lysozymes</i> that destroy microbes
Nasal Secretion	Trap dust particles
Skin	Is a barrier that is almost impermeable the micro-organism
Mucus and Ciliated cells	Prevent the entry of micro-organism
Gastric Juice	An acidic juice that kills microbes and injected toxins
Urinary Stream	It washes the urinary tract and eliminates washes