

Mouse Anti-human IgA antibody

SLM-0474M

Product Name human IgA

Chinese Name 人血清型免疫球蛋白 A 抗体

Alias Native Human IgA protein; Human IgA protein; IgA1; Igh2; IGHA 1; IGHA 2; IGHA1; IGHA2; Immunoglobulin alpha 1; Immunoglobulin Am1; Immunoglobulin Am2; Immunoglobulin heavy chain 2 (serum IgA); Immunoglobulin heavy constant alpha 1; Immunoglobulin heavy constant alpha 2; Human Immunoglobulin A; human Serum IgA;

Immunogen Species Mouse

Clonality Monoclonal

React Species Human

Applications IHC-P=1:200-1500, IHC-F=1:200-1500, IF=1:200-1500
optimal dilutions/concentrations should be determined by the end user.

Cellular localization Secretory protein

Form Lyophilized or Liquid

Concentration 1mg/ml

immunogen purified human Serum IgA

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](#)

Product Detail Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces such as saliva, gastrointestinal secretion, bronchial fluids and milk. Mucosal IgA plays a major role in host defence by neutralising infectious agents at mucosal surfaces. The production is usually local and antigen specific IgA producing B-cells can be found in regions under the lamina propria where they mature into dimeric IgA producing plasma cells. IgA deficiency is the most common immunodeficiency that

may affect both serum and mucosal produced IgA.

Subcellular Location:

Secreted.

SWISS:

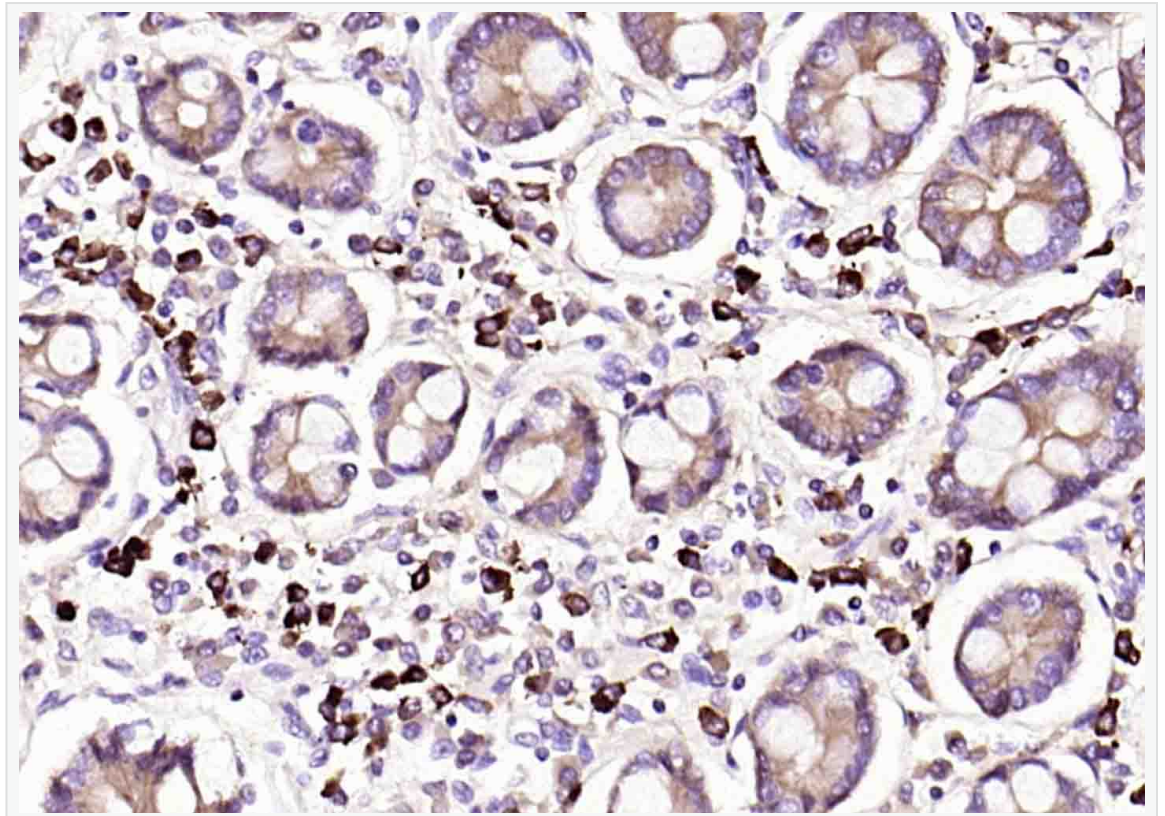
P01876

Gene ID:

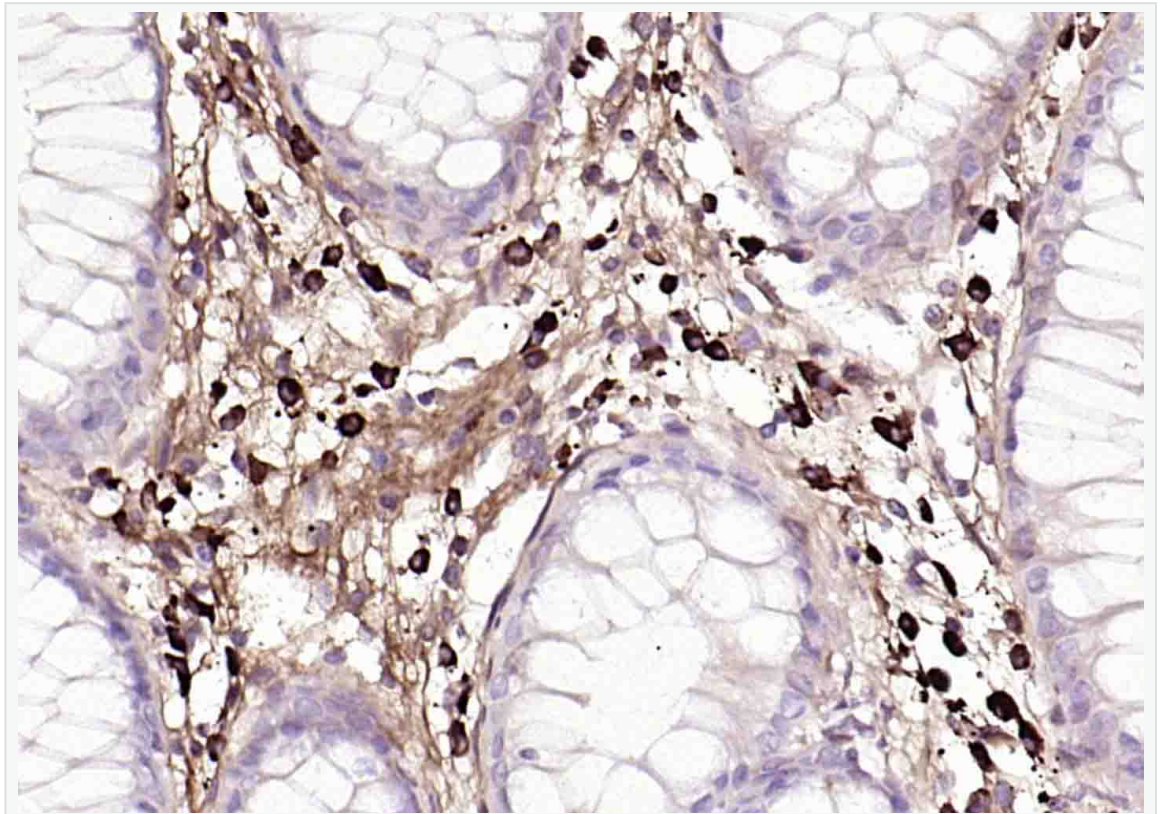
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IgA 有 IgA1 和 IgA2 两个亚类。IgA1 主要存在于血清中，约占血清中 IgA 的 85%， $\alpha 1$ 链分子量为 56kD；IgA2 主要存在于外分泌液中，少部分以血清型 IgA 存在，约占血清中 IgA 的 15%， $\alpha 2$ 链缺乏铰链区，分子量为 52kD。血清中的 IgA 除单体形式外还有由 J 链共价相连的二聚体或三聚体等形式。分泌型 IgA 是由 J 连接的双体和分泌成分所组成，主要存在于初乳、唾液、泪液、胃肠液、支气管分泌等外分泌液中，是粘膜局部免疫的最重要因素，分泌型 IgA 通过与相应的病原微生物（如脊髓灰质炎病毒）结合，阻抑其吸附到易感细胞上，分泌型 IgA 还可中和毒素如霍乱弧菌毒素和大肠杆菌毒素等。

**Product
Picture**

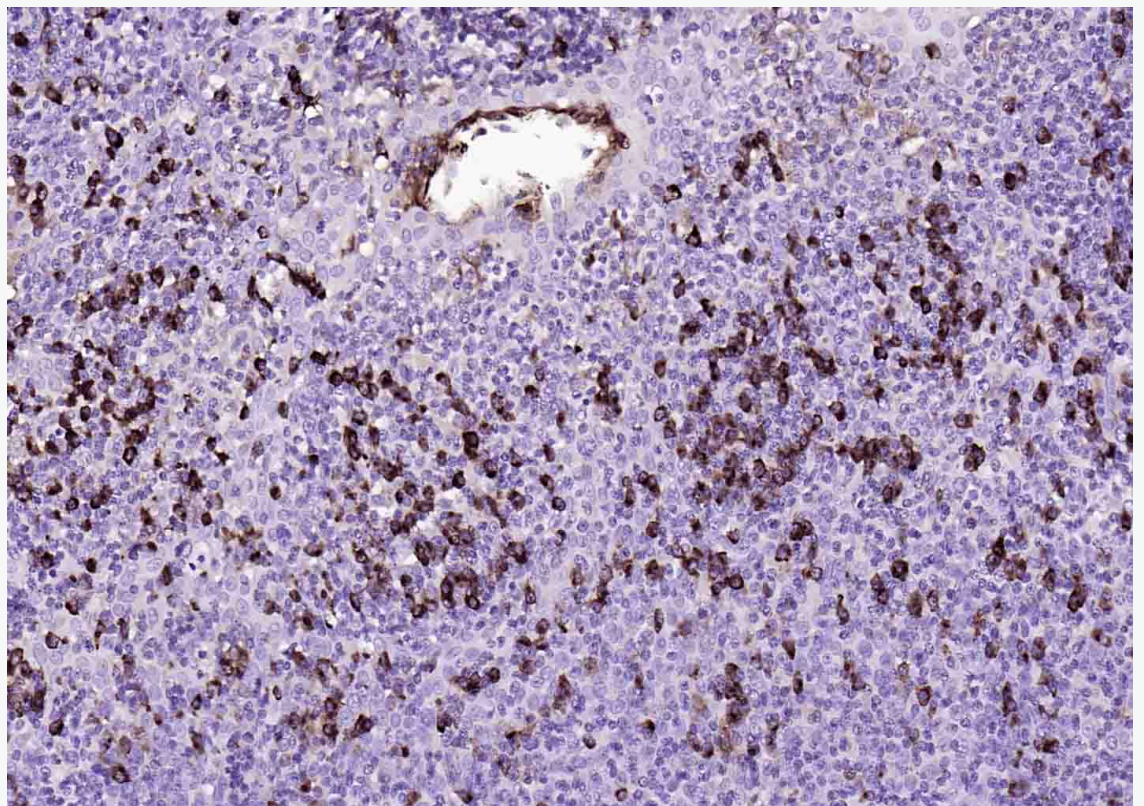


Paraformaldehyde-fixed, paraffin embedded (Human duodenum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (human IgA) Monoclonal Antibody, Unconjugated (SLM-0474M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for

30min; Incubation with (human IgA) Monoclonal Antibody, Unconjugated (SLM-0474M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (human IgA) Monoclonal Antibody, Unconjugated (SLM-0474M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



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