

**Rabbit Anti-IgA [MD293R]: RM0439, RM0439RTU7**

**Intended Use:** For Research Use Only

**Description:** Immunoglobulins are produced by cells of the B-lymphocyte lineage. Based on differences in the heavy chain, five immunoglobulin isotypes are known as IgA, IgG, IgM, IgD and IgE. IgA is the predominant immunoglobulin for mucosal immunity. It is found abundantly in mucosal tissues, such as gut, respiratory tract and urogenital tract. It is also found in saliva, tears and breast milk. An antibody to IgA is useful for the identification and classification of B cell derived lymphomas and plasmacytomas.

**Specifications:**

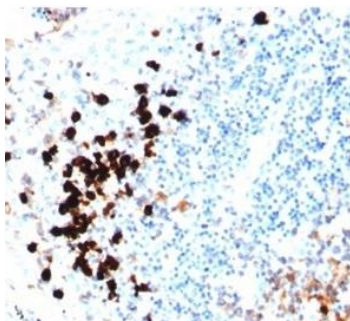
Clone: MD293R  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Immunogen: Recombinant full-length human IGHA1 and IGHA2 proteins  
 Localization: Cytoplasm, membrane  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
IgA Concentrated	RM0439	1 ml
IgA Prediluted	RM0439RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Tonsil  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 min @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-IgA using DAB

**References**

1. Aberrant RL2 O-GlcNAc antibody reactivity against serum-IgA1 of patients with colorectal cancer. Verathamjamras C, et al. Glycoconj J 38:55-65, 2021.
2. CVID enteropathy is characterized by exceeding low mucosal IgA levels and interferon-driven inflammation possibly related to the presence of a pathobiont. Shulzhenko N, et al. Clin Immunol 197:139-153, 2018.
3. Differential binding of IgG and IgA to mucus of the female reproductive tract. Fahrbach KM, et al. PLoS One 8:e76176, 2013.

Doc. 100-RM0439  
Rev. A