

CD23 Monoclonal Antibody(1E9)
Catalog # AP63303**Specification**

CD23 Monoclonal Antibody(1E9) - Product Information

Application	IHC-P, IF
Primary Accession	P06734
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal

CD23 Monoclonal Antibody(1E9) - Additional Information**Gene ID** 2208**Other Names**

FCER2; CD23A; CLEC4J; FCE2; IGEBF; Low affinity immunoglobulin epsilon Fc receptor; BLAST-2; C-type lectin domain family 4 member J; Fc-epsilon-RII; Immunoglobulin E-binding factor; Lymphocyte IgE receptor; CD23

Dilution

IHC-P~~N/A
IF~~IF: 1:50-200 IHC: 1:200

Format

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

CD23 Monoclonal Antibody(1E9) - Protein Information**Name** FCER2**Synonyms** CD23A, CLEC4J, FCE2, IGEBF**Function**

Low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B cells. On B cells, initiates IgE-dependent antigen uptake and presentation to T cells (PubMed:2167225). On macrophages, upon IgE binding and antigen cross-linking induces intracellular killing of parasites through activation of L-Arginine- nitric oxide pathway (PubMed:7544003).

Cellular Location

Cell membrane; Single-pass type II membrane protein. Cell membrane; Lipid-anchor. Secreted.
Note=Also exists as a soluble excreted form, sCD23

Tissue Location

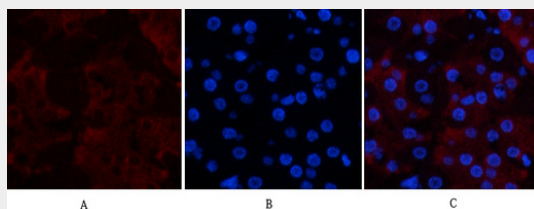
Detected in urine (at protein level).

CD23 Monoclonal Antibody(1E9) - Protocols

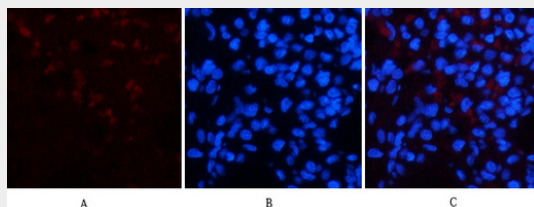
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

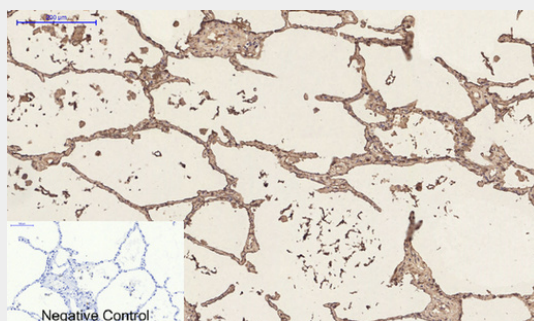
CD23 Monoclonal Antibody(1E9) - Images



Immunofluorescence analysis of human-stomach tissue. 1, CD23 Monoclonal Antibody(1E9)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

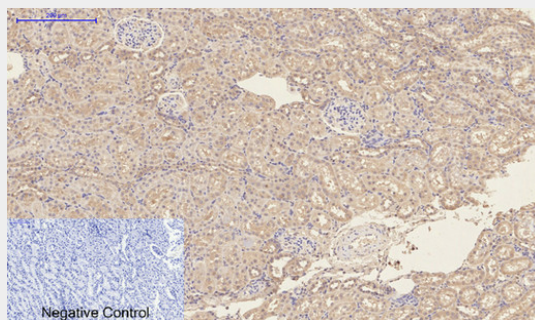


Immunofluorescence analysis of rat-lung tissue. 1, CD23 Monoclonal Antibody(1E9)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

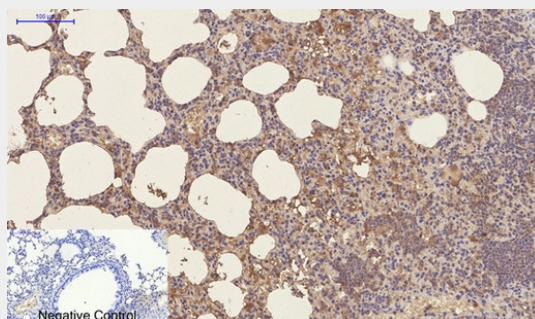


Immunohistochemical analysis of paraffin-embedded Human-lung tissue. 1, CD23 Monoclonal Antibody(1E9) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for

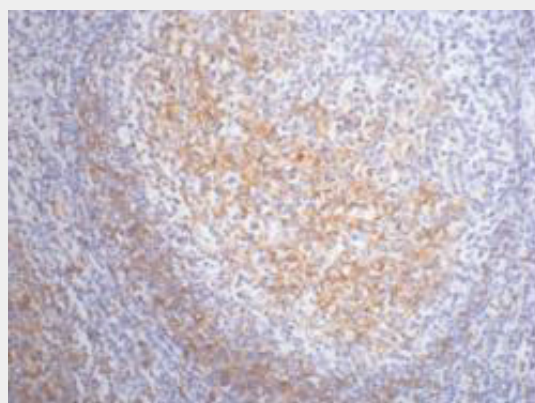
antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



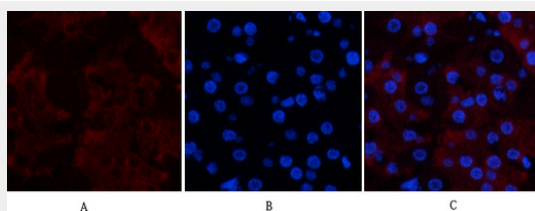
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,CD23 Monoclonal Antibody(1E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,CD23 Monoclonal Antibody(1E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

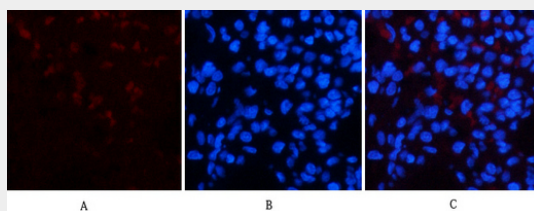


IHC staining of Human tonsil tissue paraffin-embedded, diluted at 1:200.

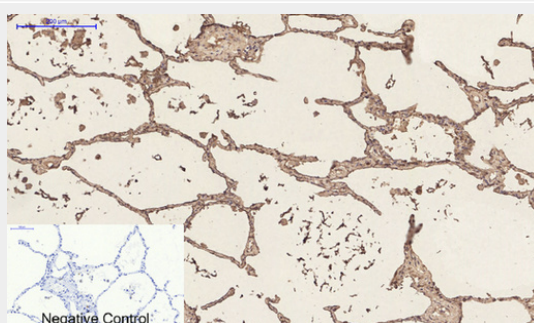


Immunofluorescence analysis of human-stomach tissue. 1,CD23 Monoclonal Antibody(1E9)(red)

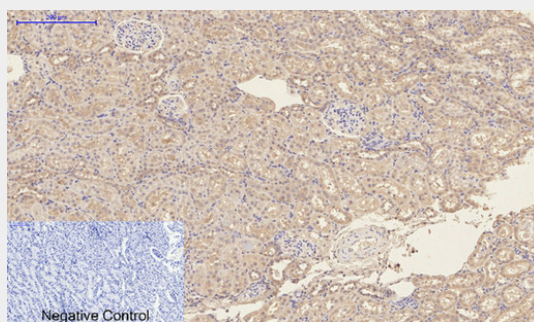
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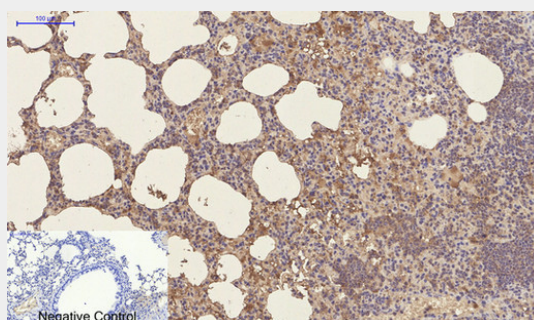
Immunofluorescence analysis of rat-lung tissue. 1,CD23 Monoclonal Antibody(1E9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



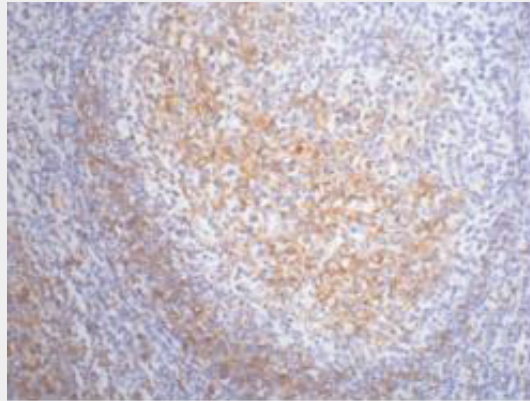
Immunohistochemical analysis of paraffin-embedded Human-lung tissue. 1,CD23 Monoclonal Antibody(1E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,CD23 Monoclonal Antibody(1E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,CD23 Monoclonal Antibody(1E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



IHC staining of Human tonsil tissue paraffin-embedded, diluted at 1:200.

CD23 Monoclonal Antibody(1E9) - Background

Low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B-cells (it is a B-cell-specific antigen).