

IgA Monoclonal Antibody (mA-6E1), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	mA-6E1
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465221

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	18 Publications

Product Specific Information

Description: The mA-6E1 monoclonal antibody reacts with the heavy chain of mouse IgA. It does not react with other isotypes of antibody, including IgD, IgG or IgM, or with other species isotypes. IgA, which is mainly found as a dimer through association of the J chain, is found in mucous secretions, but not in plasma. Fluorochrome conjugated mA-6E1 is used as a detection secondary for mouse IgA primary antibodies.

Applications Reported: This mA-6E1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This mA-6E1 antibody has been tested by flow cytometric analysis as a second step to detect mouse IgA primary antibodies. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

22 References

Western Blot (1)

Cellular and molecular gastroenterology and hepatology

Toll-Like Receptor 7 Agonist-Induced Dermatitis Causes Severe Dextran Sulfate Sodium Colitis by Altering the Gut Microbiome and Immune Cells.

"Published figure using IgA monoclonal antibody (Product # 11-4204-82) in Western Blot"

Authors: Kiyohara H,Sujino T,Teratani T,Miyamoto K,Arai MM,Nomura E,Harada Y,Aoki R,Koda Y,Mikami Y,Mizuno S,Naganuma M,Hisamatsu T,Kanai T

Year
2019

Immunohistochemistry (1)

Cell host & microbe

Fecal IgA Levels Are Determined by Strain-Level Differences in Bacteroides ovatus and Are Modifiable by Gut Microbiota Manipulation.

"11-4204 was used in Immunohistochemistry to assess the IgA-inducing capacity of a diverse set of human gut microbial strains by monoclonizing mice with each strain."

Authors: Yang C,Mogno I,Contijoch EJ,Borgerding JN,Aggarwala V,Li Z,Siu S,Grasset EK,Helmus DS,Dubinsky MC,Mehandru S,Cerutti A,Faith JJ

Year
2020

Species
Mouse

Dilution
1:300

Immunohistochemistry (Paraffin) (1)

JPEN. Journal of parenteral and enteral nutrition

Bombesin improves adaptive immunity of the salivary gland during parenteral nutrition.

"11420482 was used in immunohistochemistry - paraffin section to test if bombesin stimulates parotid and salivary gland IgA levels, T lymphocytes, and IgA plasma cell counts"

Authors: Pierre JF,Heneghan AF,Wang X,Roenneburg DA,Groblewski GE,Kudsk KA

Year
2015

Species
Mouse

Immunocytochemistry (1)

Nature communications

Limited clonal relatedness between gut IgA plasma cells and memory B cells after oral immunization.

"Published figure using IgA monoclonal antibody (Product # 11-4204-82) in Flow Cytometry"

Authors: Bemark M,Hazanov H,Strömberg A,Komban R,Holmqvist J,Köster S,Mattsson J,Sikora P,Mehr R,Lycke NY

Year
2016

More applications with references on thermofisher.cn

Flow (18)

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