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JCHAIN Recombinant Rabbit mAb

Catalog # AP99132

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P01591
Other Accession	P01591
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	18099
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human J-chain
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Enables IgA binding activity and protein homodimerization activity. Contributes to several functions, including immunoglobulin receptor binding activity; peptidoglycan binding activity; and phosphatidylcholine binding activity. Involved in several processes, including defense response to other organism; glomerular filtration; and positive regulation of respiratory burst. Located in extracellular space. Part of monomeric IgA immunoglobulin complex; pentameric IgM immunoglobulin complex; and secretory dimeric IgA immunoglobulin complex. [provided by Alliance of Genome Resources, Nov 2021]

Additional Information

Gene ID	3512
Other Names	IGCJ; IGJ; JCH; IGJ_HUMAN; JCHAIN; Joining chain of multimeric IgA and IgM; immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides; immunoglobulin J chain; IgJ chain; J chain
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	JCHAIN (HGNC:5713)
Synonyms	IGCJ, IGJ
Function	Serves to link two monomer units of either IgM or IgA. In the case of IgM, the J chain-joined dimer is a nucleating unit for the IgM pentamer, and in the case of IgA it induces dimers and/or larger polymers. It also helps to bind these immunoglobulins to secretory component.
Cellular Location	Secreted {ECO:0000250|UniProtKB:P01592}.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.