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FCAMR Rabbit pAb

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Catalog # AP56097

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWV6
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57144
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FCAMR
Epitope Specificity	1-100/532
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Fc (Ig constant fragment) receptors ensure protection of the host against foreign antigens, such as microorganisms and pathogens, by removing Ig-coated antigen complexes from circulation. Fc receptors are present on lymphoid and myeloid derivatives, where they mediate endocytosis of Ig-antigen complexes, antibody production in B cells through T cell antigen presentation, cytotoxicity and the release of cytokines and reactive oxygen species. The Fc α/ μreceptor (FCAMR) functions as a receptor for the Fc fragment of IgA and IgM and mediates their endocytosis. FCAMR is a 532 amino acid protein that is expressed in mesangial cells and is upregulated by IFNG/IFN-γ. It is also expressed in secondary lymphoid organs, such as lymph node and appendix, kidney and intestine, suggesting an important role of the receptor for immunity in these organs.

Additional Information

Gene ID	83953
Other Names	High affinity immunoglobulin alpha and immunoglobulin mu Fc receptor, Fc alpha/mu receptor, CD351, FCAMR (HGNC:24692)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	FCAMR (HGNC:24692)
Function	Functions as a receptor for the Fc fragment of IgA and IgM. Binds IgA and IgM with high affinity and mediates their endocytosis. May function in the immune response to microbes mediated by IgA and IgM.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed by mesangial cells.

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