CD21 Monoclonal antibody, PBS Only

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Antibodies | ELISA kits | Proteins

Catalog Number:66701-1-PBS

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Basic Information

Catalog Number:
66701-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG18058

GenBank Accession Number:
BC136394

GeneID (NCBI):
1380

ENSEMBL Gene ID:
ENSG00000117322

UNIPROT ID:
P20023

Full Name:
complement component (3d/Epstein Barr virus) receptor 2

Calculated MW:
1092 aa, 119 kDa

Observed MW:
150 kDa

Purification Method:
Protein A purification

CloneNo.:
1D9A3

Applications

Tested Applications:
WB,Indirect ELISA

Species Specificity:
Human

Background Information

CD21, also known as complement receptor type 2 (CR2), complement C3d receptor, and Epstein-Barr virus receptor, is a transmembrane protein that contains a small cytoplasmic domain, a transmembrane region and an extracellular domain consisting of 15 tandem short consensus repeat sequences (PMID: 6230668; 2551147). It is expressed on B cells, follicular dendritic cells, thymocytes and a subset of peripheral T cells (PMID: 26119182). CD21 binds complement fragments C3d, C3dg and iC3b and acts as a receptor for the Epstein-Barr virus (PMID: 7753047). On B cells, together with CD19 and CD81, CD21 forms a complex that functions as a co-receptor to the BCR (PMID: 7542009). It is involved in B cells activation and functions.

Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
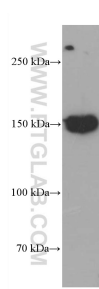**Storage Buffer:**
PBS Only

human spleen tissue were subjected to SDS PAGE followed by western blot with 66701-1-Ig (CD21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66701-1-PBS in a different storage buffer formulation.