

For Research Use Only

ICAM4 Monoclonal antibody

Catalog Number: 67014-1-Ig 1 Publications



Basic Information

Catalog Number:

67014-1-Ig

Size:

2200 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27628

GenBank Accession Number:

BC029364

GeneID (NCBI):

3386

UNIPROT ID:

Q14773

Full Name:

intercellular adhesion molecule 4
(Landsteiner-Wiener blood group)

Calculated MW:

271 aa, 29 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

3A9B9

Recommended Dilutions:

WB 1:20000-1:100000

IHC 1:2500-1:10000

IF 1:200-1:800

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human blood tissue, human red blood cells

IHC : human spleen tissue, human colon tissue, human placenta tissue

IF : mouse spleen tissue,

Background Information

This gene encodes the Landsteiner-Wiener (LW) blood group antigen(s) that belongs to the immunoglobulin (Ig) superfamily, and that shares similarity with the intercellular adhesion molecule (ICAM) protein family. The protein migrate as a 42 kDa glycoprotein on SDS PAGE. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Notable Publications

Author	Pubmed ID	Journal	Application
Nuo Wang	33877318	J Clin Endocrinol Metab	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

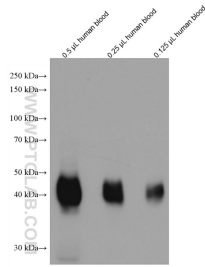
T: 4006900926

E: Proteintech-CN@ptglab.com

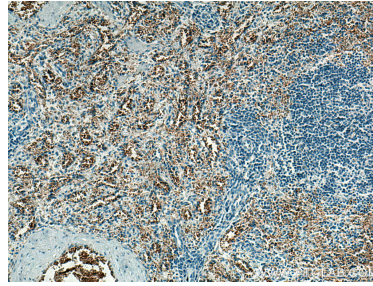
W: ptgcn.com

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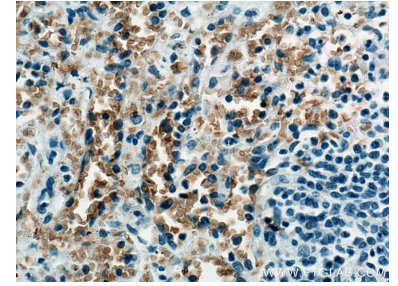
Selected Validation Data



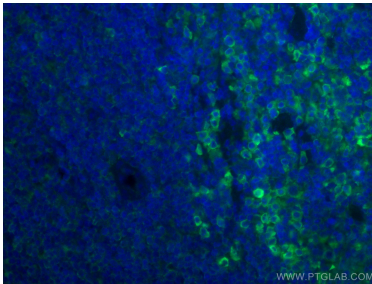
Different amount of human blood lysates were subjected to SDS PAGE followed by western blot with 67014-1-Ig (ICAM4 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



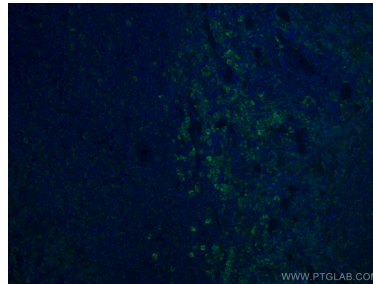
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 67014-1-Ig (ICAM4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 67014-1-Ig (ICAM4 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using ICAM4 antibody (67014-1-Ig, Clone: 3A9B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using ICAM4 antibody (67014-1-Ig, Clone: 3A9B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).