

For Research Use Only

# FGL2 Monoclonal antibody

Catalog Number: 67152-1-Ig **2 Publications**



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>67152-1-Ig  | <b>GenBank Accession Number:</b><br>BC017813 | <b>Purification Method:</b><br>Protein A purification                  |
| <b>Size:</b><br>150ul, Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>10875               | <b>CloneNo.:</b><br>2C9C5  |
| <b>Source:</b><br>Mouse   | <b>UNIPROT ID:</b><br>Q14314                 | <b>Recommended Dilutions:</b><br>WB 1:2000-1:10000<br>IF-P 1:200-1:800 |
| <b>Isotype:</b><br>IgG2b  | <b>Full Name:</b><br>fibrinogen-like 2       |  |
| <b>Immunogen Catalog Number:</b><br>AG28619   | <b>Calculated MW:</b><br>50 kDa              |  |
|   | <b>Observed MW:</b><br>70 kDa                |  |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, IF-P, ELISA | <b>Positive Controls:</b><br>WB : THP-1 cells, Jurkat cells<br>IF-P : mouse spleen tissue, |
| <b>Cited Applications:</b><br>WB               |  |
| <b>Species Specificity:</b><br>Human, mouse    |  |
| <b>Cited Species:</b><br>human, mouse          |  |

## Background Information

FGL2 (fibrinogen like protein 2) is a 70 kDa glycoprotein that belongs to the fibrinogen-related superfamily of proteins which are involved in coagulation, cell adhesion, and transendothelial migration. FGL2 is an important immune regulator of both innate and adaptive response. It is present on the surface of macrophages and endothelial cells, and can be constitutively secreted by CD4+ CD8+ T cell. FGL2 forms a tetrameric complex which is stabilized by interchain disulfide bonds and it exerts immunosuppressive effects on both T cell proliferation and dendritic cell maturation. The protein may play a role in physiologic functions at mucosal sites.

## Notable Publications

| Author        | Pubmed ID | Journal       | Application |
|---------------|-----------|---------------|-------------|
| Tongguan Tian | 37938970  | Cell Rep      | WB          |
| Mingen Lin    | 37115693  | J Clin Invest | 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

**\*\*\* 20ul sizes contain 0.1% BSA**

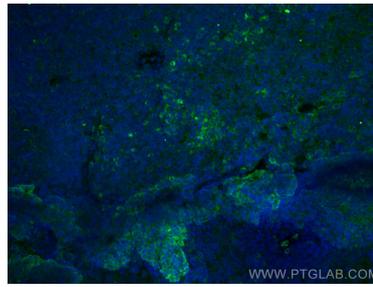
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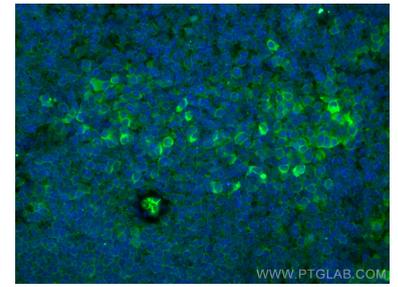
## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 67152-1-Ig (FGL2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using FGL2 antibody (67152-1-Ig, Clone: 2C9C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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