

CXCL16

Monoclonal ANTIBODY

Catalog Number: 60123-1-Ig

Basic Information

Catalog Number: 60123-1-Ig	GenBank Accession Number: BC017588	Recommended Dilutions: WB 1:200-1:1000
Size: 200 µg/150 µl	GeneID (NCBI): 58191	
Source: Mouse	Full Name: chemokine (C-X-C motif) ligand 16	
Isotype: IgG2a	Calculated MW: 273aa, 30 kDa	
Purification Method: Caprylic acid/ammonium sulfate precipitation	Observed MW: 35 kDa, 60 kDa	
Immunogen Catalog Number: AG4883		

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:
WB : SH-SY5Y cells;

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

Background Information

CXCL16 is a recently discovered cytokine belonging to the CXC chemokine family, which is synthesised in plasmacytoid dendritic cell as a transmembrane molecule. It exists in a transmembrane and soluble form. The transmembrane form of CXCL16 functions as an adhesion molecule for CXCR6-expressing cells, whereas the soluble form of CXCL16 mediates infiltration of circulating cells into sites of injury. CXCL16, has been proposed as an important pathogenic mediator in inflammatory diseases, including rheumatoid arthritis, glomerulonephritis, or prostate cancer. CXCL16 has been implicated in some forms of renal disease such as lupus nephritis and antglomerular basement membrane nephritis. CXCL16 also plays a pivotal role in the pathogenesis of angiotensin II -induced renal injury and fibrosis through regulation of macrophage and T cell infiltration and bone marrow-derived fibroblast accumulation.

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

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

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

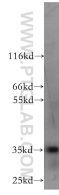
For technical support and original validation data for this product please contact:

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Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 60123-1 Ig (CXCL16 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours