

For Research Use Only

VSIG4 Polyclonal antibody, PBS Only

Catalog Number:27829-1-PBS



Basic Information

Catalog Number:

27829-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27214

GenBank Accession Number:

BC010525

GeneID (NCBI):

11326

UNIPROT ID:

Q9Y279

Full Name:

V-set and immunoglobulin domain containing 4

Calculated MW:

399 aa, 44 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

V-set and immunoglobulin domain-containing 4 (VSIG4) is a complement receptor of the immunoglobulin superfamily (CRIg) that is specifically expressed in resting tissue-resident macrophages. Notably, CRIg is expressed in monocyte-derived macrophages but not in human and mouse monocytes. VSIG4 can suppress T cell proliferation and promote Foxp3+ regulatory T cell (Tregs) differentiation by binding an unidentified receptor on T cells. VSIG4 has been implicated in a variety of diseases, particularly those involving immune dysregulation and inflammation, such as non-alcoholic steatohepatitis, rheumatoid arthritis, and obesity-related metabolic disorders. Recently, VSIG4+ tumor-associated macrophages (TAMs) have been identified as a specific subset that infiltrates aggressive cancers, including anaplastic thyroid cancer (ATC). (PMID: 37153746, PMID: 39920772)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

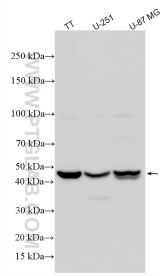
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27829-1-AP (V5IG4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27829-1-PBS in a different storage buffer formulation.