
Recombinant Mouse CD5 antigen-like Protein**Cat.NO.: TP05027**

3th Edition

Synonyms:CD5 antigen-like;Apoptosis inhibitor expressed by macrophages;Apoptosis inhibitory 6;CT-2;SP-alpha;Cd5l;Aim; Api6

Description:CD5L, also known as CD5 antigen-like, is secreted protein which mainly expressed by macrophages in lymphoid and inflamed tissues and regulates mechanisms in inflammatory responses, such as infection or atherosclerosis. It is able to inhibit lipid droplet size in adipocytes. CD5L acts as a key regulator of metabolic switch in T-helper Th17 cells. It Participates in obesity-associated autoimmunity via its association with IgM, interfering with the binding of IgM to Fc α /mu receptor and enhancing the development of long-lived plasma cells that produce high-affinity IgG autoantibodies. It also acts as an inhibitor of apoptosis in macrophages: promotes macrophage survival from the apoptotic effects of oxidized lipids in case of atherosclerosis. It is involved in early response to microbial infection against various pathogens by acting as a pattern recognition receptor and by promoting autophagy.

Form:PBS

Molecular Weight:37.4 kDa

Sequences:Glu22-VaL352

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.