

CD365 polyclonal antibody

Catalog: BCP00442

Host: Rabbit

Reactivity: Human,Rat

BackGround:

T cell Ig- and mucin-domain-containing molecules (TIMs) are a family of transmembrane proteins expressed by various immune cells. TIM-1 (HAVCR1 (hepatitis A virus cellular receptor 1), KIM-1 (kidney injury molecule-1) was originally identified as a receptor for hepatitis A virus. TIM-1 also acts as a costimulatory receptor on T cells and following activation, associates with the TCR complex to upregulate signaling and cytokine production. Another TIM family member, TIM-4, is expressed by antigen presenting cells and is a ligand for TIM-1. TIM-1 expressed by Th1 and Th17 cells was also recently shown to interact with P-selectin to mediate T cell trafficking during inflammation and autoimmune disease. NKT cells also express TIM-1, and engagement of TIM-1 on NKT cells leads to increased production of IL-4, but decreased production of IFN-gamma. TIM-1 is also a receptor for phosphatidylserine exposed by cells undergoing apoptosis. Detection of phosphatidylserine by TIM-1 expressed on NKT cells results in activation, proliferation, and cytokine production. Expression of TIM-1 on regulatory B cells is required for optimal production of IL-10. Mice lacking the TIM-1 mucin domain have decreased production of IL-10 by regulatory B cells, hyperactive T cells, increased levels of inflammatory cytokines, and enhanced severity of autoimmune disease. In addition, TIM-1 polymorphisms are associated with susceptibility to atopic diseases including asthma. Finally, expression of TIM-1 is increased in renal tubular epithelial cells following kidney injury.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide,

50% glycerol, pH7.2.

Molecular Weight:

~ 44 kDa

Swiss-Prot:

Q96D42

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CD365 polyclonal antibody detects endogenous levels of CD365 protein.

DATA:

Western blot (WB) analysis of CD365 polyclonal antibody at 1:1000 dilution

Lane1:A2780 whole cell lysate(30ug)

Lane2:SGC7901 whole cell lysate(30ug)

Lane3:C6 whole cell lysate(30ug)

Lane4:L02 cell membrane lysate(24ug)

Note:

For research use only, not for use in diagnostic procedure.