Mouse Monoclonal Antibody to CD227

Cataloge Number	sAP-1738

Target Molecule

Name: CD227

Aliases: MUC1; EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; H23AG; MCKD1; MUC-1; AD-MCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC

MW: 122.1kDa

Descrption

This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic

Immunogen

Purified recombinant fragment of human CD227 (AA: extra 66-175) expressed in E. Coli.

Recitative Species

Human;

Clone

MM3B10B4

Size and Concentration

100μg/1mg/ml

Supplied as

Lyophilized Powder from 100μl of Purified antibody in PBS with 0.05% sodium azide

Reconstitution/Storages

Reconstitued with 100μl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications

ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000

Shipping

Regular FEDEX overnight shipment (ambient temperature)

Reference

1.Pol J Pathol. 2016;67(4):384-391. 2.Blood. 2015 Jul 16;126(3):354-62.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only