

SAMHD1 Mouse monoclonal antibody

Catalog: MB67302

Host: Mouse

Reactivity: Human, Monkey

BackGround:

SAM domain and HD domain-containing protein 1 (SAMHD1) is a negative regulator of the cell-intrinsic innate immune response. Research studies have identified mutations in SAMHD1 as a cause of Aicardi-Goutieres syndrome, an autoimmune disease characterized by elevated production of interferon- α and symptoms resembling congenital viral infection. SAMHD1 was identified as the restriction factor that renders most myeloid cells refractory to human immunodeficiency virus (HIV) infection. Expression of the viral protein Vpx in refractory cells targets SAMHD1 for ubiquitin-mediated degradation and relieves HIV restriction. SAMHD1 prevents autoimmunity and HIV infection by hydrolyzing intracellular deoxynucleoside triphosphates (dNTPs), thereby limiting inappropriate immune activation by self nucleic acid and inhibiting reverse transcription of the HIV genome.

Product:

PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Molecular Weight:

~ 72 kDa

Swiss-Prot:

Q9Y3Z3

Purification&Purity:

Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)

Applications:

WB 1:200~500, IHC 1:150, IF 1:100, FLOW 1:100

Storage&Stability:

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

Specificity:

SAMHD1 Mouse monoclonal antibody detects endogenous levels of SAMHD1 protein.

DATA:



Western blot (WB) analysis of SAMHD1 Mouse monoclonal antibody at 1:500 dilution

Lane1:HepG2 whole cell lysate(30ug)

Lane2:COS-7 whole cell lysate(30ug)

Lane3:MCF-7 whole cell lysate(30ug)

Note:

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

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