

Product datasheet

STAM MOUSE MONOCLONAL ANTIBODY (G1G5)

SKU: MM-0225-P

50 µg

OVERVIEW

Clonality:

Monoclonal

Host:

Mouse

Reactivity:

Mouse, Rat, Human

Application:

IHC, WB

Target:

STAM

Target background:

The signal transducing adapter molecule 1 (STAM1) and signal transducing adapter molecule 2 (STAM2) are regulators of receptor signalling and trafficking. STAM interacts with the hepatocyte growth factor-regulated tyrosine kinase substrate (Hrs) to form a heterodimeric complex which mediates the endocytic sorting of ubiquitinated membrane proteins. Studies have demonstrated that the complex STAM/Hrs is tyrosine-phosphorylated in response to a variety of growth factors including EGF, HGF and PDGF. STAM1 and STAM2 phosphorylation occurs on tyrosines upon stimulation with cytokines through the Jak3 signaling pathway, which is essential for T-cell development. STAM has an important role in T-cell development and survival in the thymus through the prevention of apoptosis but is not necessary for the proximal signaling of TCR and cytokine receptors.

Target alias:

Signal transducing adapter molecule

Specificity:

The antibody recognizes the STAM1 and STAM2.

Clone ID:

G1G5

Preservative:

None

Format:

Lyophilized protein G purified in PBS pH7.4

Recommend starting dilution:

If reconstituted with deionized water in 50 µl: WB 1:1000, IHC 1:500. Optimal dilution has to be determined by the user.

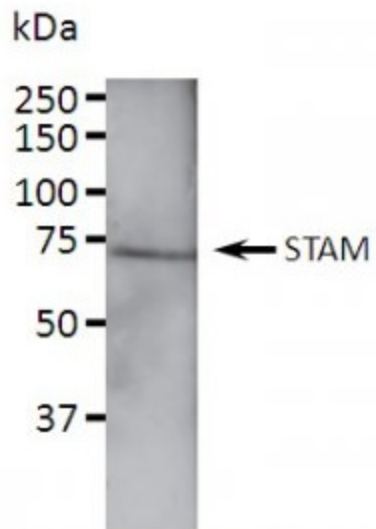
Limitations:

Research Use Only

References:**Storage:**

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image:



Western blot analysis of STAM expression in HeLa cells. Anti-STAM 1:1000

