

Product datasheet for **AM06232SU-N**

SLC22A1 Mouse Monoclonal Antibody [Clone ID: 8C1A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8C1A3
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500-1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of SYK (aa296-484) expressed in E. Coli.
Specificity:	Recognizes Syk (72 kDa)
Formulation:	State: Ascites State: Ascitic fluid Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 22 member 1
Database Link:	Entrez Gene 6580 Human O15245



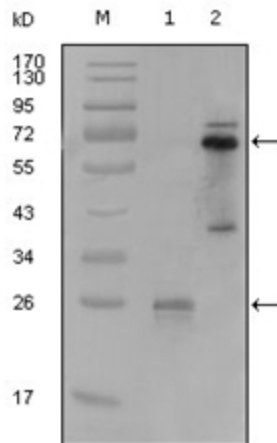
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Background:

SYK: spleen tyrosine kinase. Syk (72 kDa) is a non-receptor protein tyrosine kinase that plays an important role in immune receptor signal transduction and is implicated in endothelial cell functions, including cell growth and migration. SYK is a positive effector of BCR stimulated responses. It couples the B cell antigen receptor (BCR) to the mobilization of calcium ions either through a phosphoinositide 3 kinase dependent pathway, when not phosphorylated on tyrosines of the linker region, or through a phospholipase C gamma dependent pathway, when phosphorylated on Tyr 342 and Tyr 346. Thus the differential phosphorylation of SYK can determine the pathway by which BCR is coupled to the regulation of intracellular calcium ions.

Synonyms:

Organic cation transporter 1

Product images:

Western blot analysis using SYK mouse mAb against truncated SYK-His recombinant protein (1) and PMA induced THP-1 cell lysate (2).