

## Product datasheet for **AM06655SU-N**

### ITK Mouse Monoclonal Antibody [Clone ID: 5G6]

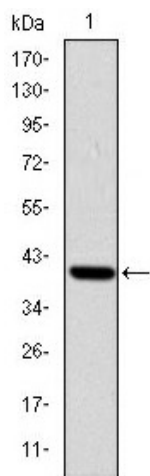
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5G6
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow cytometry:</b> 1/200 - 1/400. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human ITK expressed in E. Coli.
Specificity:	This antibody reacts to ITK.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Predicted Protein Size:	72 kDa
Gene Name:	IL2 inducible T-cell kinase
Database Link:	<a href="#">Entrez Gene 3702 Human Q08881</a>
Background:	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation.
Synonyms:	EMT, LYK

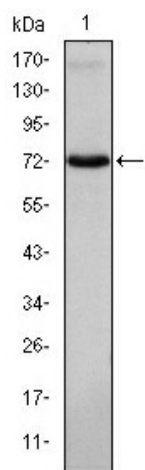


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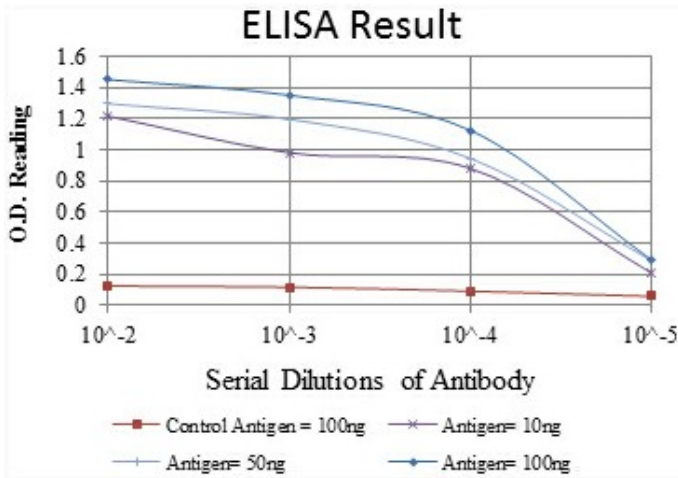
## Product images:



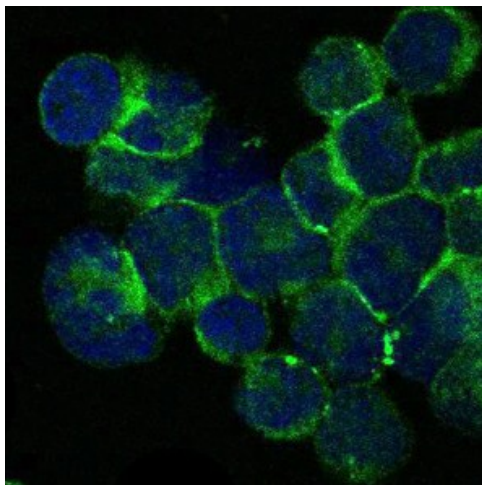
Western blot analysis using ITK mAb against human ITK (AA: 2-120) recombinant protein. (Expected MW is 39.7 kDa)



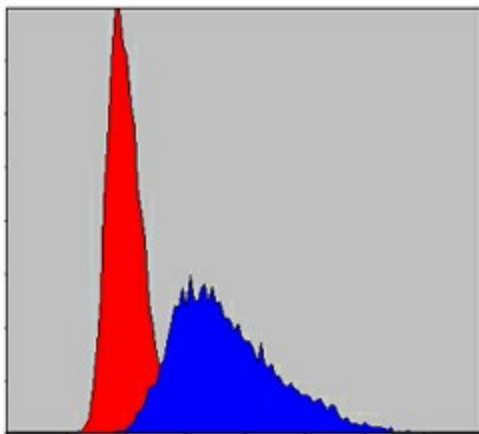
Western blot analysis using ITK mouse mAb against Jurkat cell lysate.



Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunofluorescence analysis of Jurkat cells using ITK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Jurkat cells using ITK mouse mAb (blue) and negative control (red).