

Product datasheet for **AM06139SU-N**

TYK2 Mouse Monoclonal Antibody [Clone ID: 8G8E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8G8E9
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 Tyk2 expressed in E. Coli.
Specificity:	Recognizes Tyk2 (tyrosine kinase 2)
Formulation:	State: Ascites State: Ascitic fluid Preservative: 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.
Gene Name:	tyrosine kinase 2
Database Link:	Entrez Gene 7297 Human P29597



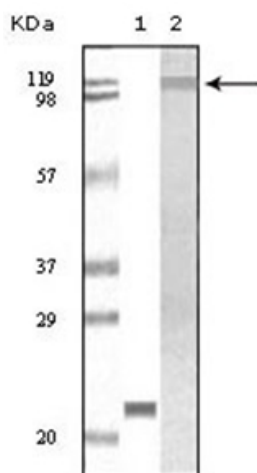
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Background:

Tyk2 (tyrosine kinase 2), with 1187-amino acid protein (about 131kDa), belongs to the family of non-receptor janus tyrosine kinases, which also includes Jak1, Jak2, and Jak3. Kinases of the Jak family regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Tyk2 is activated by a variety of cytokines: IFN-alpha, IFN-beta, IL-6, IL-10, IL-12, and IL-13 and promotes IFN-gamma production by Th1-type CD4 cells. Tyk2 can be viewed as a dual-function Jak, mediating both pro-inflammatory and anti-inflammatory cytokine responses. Tyk2 is also an important regulator of lymphoid tumor surveillance.

Synonyms:

JTK1

Product images:

Western blot analysis using TYK2 antibody Cat.-No AM06139SU-N against truncated TYK2 recombinant protein (Lane 1) and Jurkat cell lysate (Lane 2).