



## Tyk2 Mouse Monoclonal Antibody

E10-20091

**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.

**Catalog Number:** E10-20091

**Amount:** 100µg/100µl

**Clone Number:** 8G8E9, 8G9H5, 8G8B3

**Species:** Mouse IgG1

**Aliases:** JTK1

**Entrez Gene:** 7297

**Immunogen:** Purified recombinant fragment of Tyk2 expressed in E. Coli.

**Storage:** Store at 4°C, for long term storage, store at -20°C

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** WB, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** WB. 1/500 - 1/2000, ELISA. Propose dilution 1/10000.

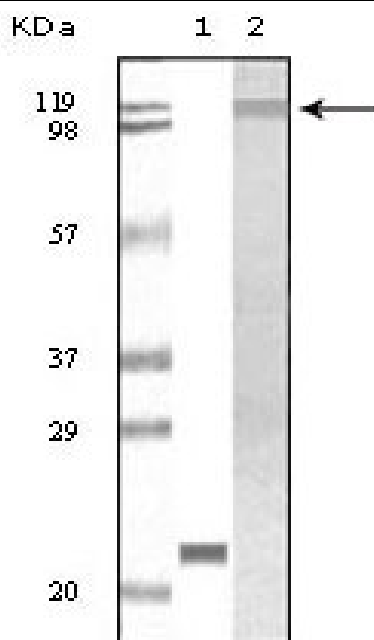


Figure 1. Western blot analysis using TYK2 mouse mAb against truncated TYK2 recombinant protein (1) and Jurkat cell lysate(2).

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