

Tyk2 Ab

[Images\(1\)](#)

Cat.#: BF0644	Concn.: ~1mg/ml	Mol.Wt.: 140kDa
Size:	Source: Mouse	Clonality: Monoclonal

Application:	ELISA 1:10000, WB 1:500-1:2000 *The optimal dilutions should be determined by the end user.
Reactivity:	Human
Storage:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	Affinity-chromatography.
Immunogen:	Purified recombinant fragment of human Tyk2 expressed in E. Coli.
Uniprot:	P29597
Description:	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.

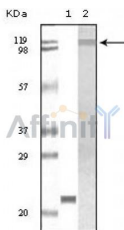


Figure 1: Western blot analysis using TYK2 mouse mAb against truncated TYK2 recombinant protein (1) and Jurkat cell lysate(2).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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