Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

Tyk2 Ab

Cat.#: BF0644   Concn.: 1mg/ml   Mol.Wt.: 140kDa
Size: 50ul,100ul,200ul   Source: Mouse   Clonality: Monoclonal

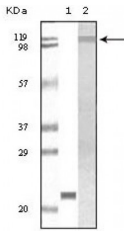|	
Application:	ELISA 1/10000, WB 1/500 - 1/2000
Reactivity:	Human
Purification:	Affinity-chromatography.
Specificity:	Tyk2 Ab detects endogenous levels of total Tyk2.
Immunogen:	Purified recombinant fragment of human Tyk2 expressed in E. Coli.
Uniprot:	P29597
Description:	Tyk2 (tyrosine kinase 2),with 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.
Tissue Specificity:	Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.
Similarity:	The FERM domain mediates interaction with JAKMIP1.Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

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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