

Store at
-20°C
#97630**TSLP (D7U1X) Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	19, 22	Rabbit IgG	#Q969D9	85480

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

TSLP (D7U1X) Rabbit mAb recognizes endogenous levels of total TSLP protein. This antibody recognizes a 70 kDa protein of unknown identity.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant human TSLP protein.

Background

TSLP (thymic stromal lymphopoietin) is a cytokine produced by epithelial cells at barrier surfaces and granulocytes (1). TSLP acts on dendritic cells, lymphocytes, and granulocytes by binding to a heterodimer composed of TSLPR (TSLP receptor) and IL-7Rα (2-5). Constitutive expression of TSLP at barrier surfaces contributes to homeostasis by promoting generation of noninflammatory dendritic cells (6). TSLP promotes the differentiation of Th2 cells and type 2 immune responses both in response to helminth infection and in the context of atopic diseases including asthma and atopic dermatitis (1,7-12).

Background References

1. Soumelis, V. et al. (2002) *Nat Immunol* 3, 673-80.
2. Reche, P.A. et al. (2001) *J Immunol* 167, 336-43.
3. Levin, S.D. et al. (1999) *J Immunol* 162, 677-83.
4. Park, L.S. et al. (2000) *J Exp Med* 192, 659-70.
5. Pandey, A. et al. (2000) *Nat Immunol* 1, 59-64.
6. Iliev, I.D. et al. (2007) *J Exp Med* 204, 2253-7.
7. Taylor, B.C. et al. (2009) *J Exp Med* 206, 655-67.
8. Ramalingam, T.R. et al. (2009) *J Immunol* 182, 6452-9.
9. Ying, S. et al. (2005) *J Immunol* 174, 8183-90.
10. Yoo, J. et al. (2005) *J Exp Med* 202, 541-9.
11. Zhou, B. et al. (2005) *Nat Immunol* 6, 1047-53.
12. Al-Shami, A. et al. (2005) *J Exp Med* 202, 829-39.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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