

**TSLP (D7U1X) Rabbit mAb**

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