

#97630 Store at -20C

TSLP (D7U1X) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	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	<ol style="list-style-type: none"> 1. Soumelis, V. et al. (2002) <i>Nat Immunol</i> 3, 673-80. 2. Reche, P.A. et al. (2001) <i>J Immunol</i> 167, 336-43. 3. Levin, S.D. et al. (1999) <i>J Immunol</i> 162, 677-83. 4. Park, L.S. et al. (2000) <i>J Exp Med</i> 192, 659-70. 5. Pandey, A. et al. (2000) <i>Nat Immunol</i> 1, 59-64. 6. Iliev, I.D. et al. (2007) <i>J Exp Med</i> 204, 2253-7. 7. Taylor, B.C. et al. (2009) <i>J Exp Med</i> 206, 655-67. 8. Ramalingam, T.R. et al. (2009) <i>J Immunol</i> 182, 6452-9. 9. Ying, S. et al. (2005) <i>J Immunol</i> 174, 8183-90. 10. Yoo, J. et al. (2005) <i>J Exp Med</i> 202, 541-9. 11. Zhou, B. et al. (2005) <i>Nat Immunol</i> 6, 1047-53. 12. Al-Shami, A. et al. (2005) <i>J Exp Med</i> 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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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