

Product Datasheet

ASC/TMS1 Antibody [Alexa Fluor® 647] NBP1-78977AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP1-78977AF647

ASC/TMS1 Antibody [Alexa Fluor® 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Alexa Fluor 647
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate

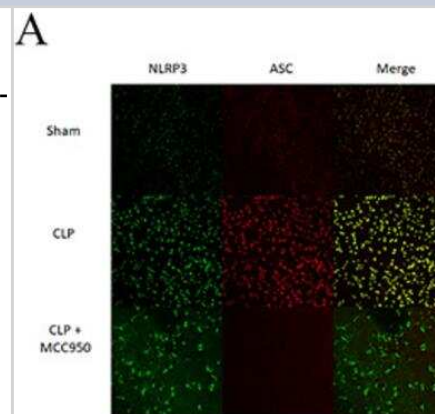
Product Description	
Host	Rabbit
Gene ID	29108
Gene Symbol	PYCARD
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity with Rat reported in PMID 24464748
Immunogen	This ASC/TMS1 Antibody was developed against a synthetic peptide made to an N-terminal portion of the human ASC/TMS1 protein (between residues 1-50) [Uniprot: Q9ULZ3]
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunomicroscopy, Immunoprecipitation
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunomicroscopy, Flow (Intracellular)
Application Notes	Optimal dilution of this antibody should be experimentally determined.



Images

Immunocytochemistry/Immunofluorescence: ASC/TMS1 Antibody [Alexa Fluor® 647] [NBP1-78977AF647] - NLRP3 activation was evaluated by visualizing the co-localization of NLRP3 and apoptosis-associated speck-like protein (ASC) using immunocytochemistry (A). PLoS One. 2020 Jun 17;15(6):e0234039. doi: 10.1371/journal.pone.0234039. (Catalog # NBP1-78977AF647)



Publications

DC Cornelius, CH Baik, OK Travis, DL White, CM Young, W Austin Pie, CA Shields, B Poudel, JM Williams NLRP3 inflammasome activation in platelets in response to sepsis *Physiol Rep*, 2019-05-01;7(9):e14073. 2019-05-01 [PMID: 31054188]

Borges-Rodriguez M, Shields CA, Travis OK et al. Platelet Inhibition Prevents NLRP3 Inflammasome Activation and Sepsis-Induced Kidney Injury *International Journal of Molecular Sciences* 2021-09-25 [PMID: 34638670]

Cornelius DC, Travis OK, Tramel RW et al. NLRP3 inflammasome inhibition attenuates sepsis-induced platelet activation and prevents multi-organ injury in cecal-ligation puncture *PLoS ONE* 2020-06-17 [PMID: 32555710] (ICC/IF, Rat)

Details:

Citation using the Alexa Fluor 647 format of this antibody.

Lage SL, Dominical VM, Wong CS, Sereti I Evaluation of Canonical Inflammasome Activation in Human Monocytes by Imaging Flow Cytometry Thesis Jun 4 2019 12:00AM [PMID: 31214205] (Flow, Human) Evaluation of Canonical Inflammasome Activation in Human Monocytes by Imaging Flow Cytometry. *Front Immunol*. 2019-06-04 [PMID: 31214205] (FLOW, Human)

Details:

Citation using the Alexa Fluor 647 version of this antibody.



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Products Related to NBP1-78977AF647

NBP2-24891AF647	Rabbit IgG Isotype Control [Alexa Fluor® 647]
NBP1-78977AF700	ASC/TMS1 Antibody [Alexa Fluor® 700]
H00029108-P01-10ug	Recombinant Human ASC/TMS1 GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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