Data Sheet (DS) 7TM0032-SP

Issuing Date: 2024-09-13

Description	C5a1 Sample Pack (phospho- and non-phospho-C5a1 Receptor Antibodies)
Format	Purified, Liquid
Product Type	Rabbit Polyclonal Antibody
Isotype	Polyclonal IgG
Quantity	7 x 20 µl
Content	C51 Sample Pack consisting of all five available phospho- and two non-phospho-C5a1 Receptor Antibodies 7 x 20 µL trial size each. Specifically, this sample pack contains the following antibodies pT324/pS327-C5a1 (7TM0032A), pS332/pS334-C5a1 (7TM0032B), pT336-C5a1 (7TM0032C), pS338/pT339-C5a1 (7TM0032D), pT342-C5a1-C5a1 (7TM0032E), human C5a1 (non-phos, C-Term) (7TM0032N-IC) and mouse C5a1 (non-phos, C-Term) (7TM0032MN-IC).

Product Details

Applications	This product has been reported to work in the following applications: Western Blot: 1:1000 This information is derived from testing within our laboratories and peer-reviewed publications. Please refer to references indicated for further information. For general protocol recommendations, please visit https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/ Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.
Target Species	Human, Mouse
Product Form	Purified IgG, liquid
Antiserum Preparation	Antiserum to Complement C5a Receptor 1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Immunogens	Synthetic phosphopeptides derived from human C5a1 around the phosphorylation site of Thr324/Ser327 or Ser332/Ser334 or Thr326 or Ser338/Thr339 Thr342. A synthetic peptide presents carboxyl-terminal tail of human C5a1 and A synthetic peptide presents carboxyl-terminal tail of mouse C5a1.
Storage Buffer	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide
Specificity	Threonine324/serine327 (T324/S327) is a major phosphorylation site of the C5a1 receptor. The pT324/pS327-C5a1 antibody detects phosphorylation in response to high- and low-efficacy agonists but not after PKC activation. T324/S327 phosphorylation is a key regulator of C5a1 desensitization, β-arrestin recruitment and internalization. The pT324/pS327-C5a1 antibody can be used for detection of the subcellular location of phosphorylated C5a1 receptors by immunocytochemistry. Serine332/serine334 (S332/S334) is a major phosphorylation site of the C5a1 receptor. The pS332/pS334-C5a1 antibody detects phosphorylation in response to high- and low-efficacy agonists and after PKC activation. S332/S334 phosphorylation is a key regulator of C5a1 desensitization, β-arrestin recruitment and internalization. Threonine336 (T336) is a major phosphorylation site of the C5a1 receptor. The pT336-C5a1 antibody detects phosphorylation in response to high- and low-efficacy agonists but not after PKC activation. T336 phosphorylation is a key regulator of C5a1 desensitization, β-arrestin recruitment and internalization. Serine338/Threonine339 (S338/T339) is a major phosphorylation site of the C5a1 receptor. The pS338/pT339-C5a1 antibody detects phosphorylation in response to high- and low-efficacy agonists but not after PKC activation. S338/T339 phosphorylation is a key regulator of C5a1 desensitization, β-arrestin recruitment and internalization. Threonine342 (T342) is a major phosphorylation site of the C5a1 receptor. The pT342-C5a1 antibody detects phosphorylation in response to high- and low-efficacy agonists but not after PKC activation. T342 phosphorylation is a key regulator of C5a1 desensitization, β-arrestin recruitment and internalization. The non-phospho-C5a1 receptor antibody is directed against the distal end of the carboxyl-terminal tail of human C5a1. It can be used to detect total C5a1 receptors in Western blots independent of phosphorylation. The non-phospho-C5a1 antibody can also be used to isolate and enrich C5a1 receptors from cell and tissue lysates. It also detects C5a1 in cultured cells and tissue sections by immunohistochemistry. The mouse C5a1 receptor antibody is directed against the distal end of the carboxyl-terminal tail of mouse and rat C5a1. It can be used to detect total C5a1 receptors in Western blots independent of phosphorylation. The mouse C5a1 antibody can also be used to isolate and enrich C5a1 receptors from cell and tissue lysates. It also detects C5a1 in cultured cells and tissue sections by immunohistochemistry. The mouse C5a1 antibody has been validated using knockout mice (KO-Validated).
Guarantee	12 months from date of dispatch
Storage	Store at -20°C. This product should be stored undiluted. Avoid repeated freezing and

	thawing as this may denature the antibody.
Regulatory	For research purposes only
Health and Safety Information	Material Safety Data Sheet documentation is available at https://7tmantibodies.com/phosphosite-7tm-antibodies/complement-receptors/c5a1/470/c5a1-sample-pack-phospho-and-non-phospho-c5a1-receptor-antibodies?c=82 in the downloads section as: Safety Data Sheet EU Safety Data Sheet US

Details of the Supplier of the Data Sheet

Supplier

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