

## OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

## APM0008PU-N OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY

GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

## TLR4 8x Sampler Kit

| Alternate names:  | Toll-like receptor 4  |
|-------------------|---|
| Catalog No.:      | APM0008PU-N   |
| Quantity:         | 8 x 25 μg   |
| Background:       | TLR4 is a member of the Toll-like receptor (TLR) family of transmembrane proteins<br>comprised of multiple copies of leucine rich repeats in the extracellular domain and a TIR<br>domain. It is a widely studied, phylogenetically conserved, member playing a fundamental<br>role in pathogen recognition and activation of innate immunity. Like its counterpart in<br>Drosophila, TLR4 signals through adaptor molecules and mediates the production of<br>cytokines necessary for the development of effective immunity. TLR4 belongs to the multi-<br>protein complex of lipopolysaccharide (LPS) receptor, containing CD14, LY96 and TLR4, and<br>is involved in signal transduction events induced by lipopolysaccharide (LPS) found in<br>most gram-negative bacteria. |
| Format:           | State: Liquid purified Ig fraction.   |
| Applications:     | Western blot analysis.<br>Flow Cytometry.<br>Neutralization.<br>Confocal Microscopy.<br>Immunoprecipitation.<br>Immunohistochemistry.<br>Immunofluorescence/Immunocytochemistry.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should<br>be determined by the user.   |
| Specificity:      | <b>Species:</b> Human, Mouse, Rat, Canine, Primates.<br>Other species not tested.   |
| Add. Information: | TLR Antibody Screening Set contains 8 Polyclonal or Monoclonal Antibodies (25 µg<br>Purified):<br>SM1677P-25: TLR4 Antibody.<br>SM1827P-25: TLR4 Antibody.<br>SP7195P-25: TLR4 Antibody.<br>SP7196P-25: TLR4 Antibody.<br>SM7124P-25: TLR4 Antibody.<br>AP22290PU-25: TLR4 Antibody.<br>AP22292PU-25: TLR4 Antibody.<br>AP22291PU-25: TLR4 Antibody.  |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



MP/20130118

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



## APM0008PU-N: TLR4 8x Sampler Kit

**Pictures:** 

Immunohistochemical analysis of TLR4 in Paraffin-Embedded Formalin-fixed human colon tissue using an isotype control (top) and SM7124P(bottom) at 5  $\mu g/ml.$ 

Western blot analysis of TLR4 in Daudi cell lysate in the 1) absence and 2) presence of immunizing peptide and 3) Ramos cell lysate AP22290PU-N at 1.0 µg/ml. HRP Goat anti-Rabbit Ig secondary antibody and PicoTect ECL substrate solution were used for this test.

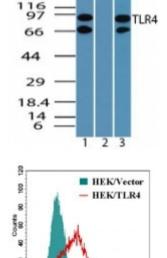
Cell surface flow cytometric analysis of TLR4 in stable HEK293/hTLR4 cells using SM1677PT at 1 µg/10e6 cells. Secondary antibody PE Goat anti-Mouse IgG at 0.25  $\mu$ g/10e6 cells. Both stable HEK293/hTLR4 and EK293/Vector cell lines were equally stained.



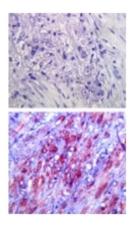
MP/20130118

2/2





FIS H



MW (kDa)

200