

## 10-3010-NALE: NALE™ Monoclonal Antibody to TLR4 (Clone: ABM19C4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM19C4
<b>Application :</b>	IHC,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	TLR4
<b>Gene ID :</b>	7099
<b>Uniprot ID :</b>	O00206
<b>Format :</b>	Azide Free,Purified
<b>Alternative Name :</b>	TLR4
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	A partial length recombinant TLR4 protein (amino acids 45-320) was used as the immunogen for this antibody.

### Description

TLR4 (Toll-like receptor-4) is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. It primarily mediates cellular signaling induced by Gram negative bacteria. TLR4 is highly specific for LPS and it is associated with CD14, a co-receptor for LPS. The downstream signaling pathway of TLR4 leads to the activation of NF-kappaB through myeloid differentiation protein (MyD88) and IL-1 receptor-associated kinase in various cell types. Keratinocytes express TLR4 at the mRNA and protein levels whereas TLR4 are also present in the normal human epidermis in vivo and their expression is regulated by microbial components. TLR4 is expressed on CD4+ T cells as well, the functional significance of which is unclear.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing no Azide and low endotoxin (0.1 EU/1ug).
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Immunohistochemical analysis: 5 µg/ml; FACS analysis: 2-4 µg/10<sup>6</sup>

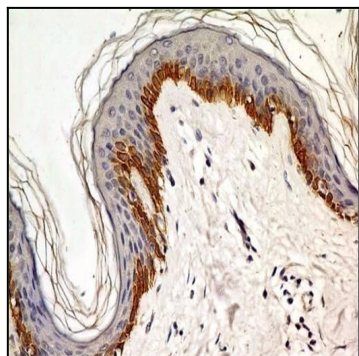


Fig-1 : Immunohistochemical analysis of TLR4 in human skin tissue using TLR4 antibody (Clone: ABM19C4) at 5 µg/ml.

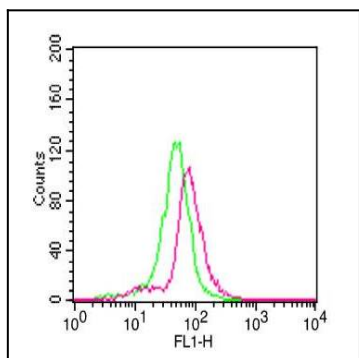


Fig-2: Intracellular flow analysis of hTLR4 antibody in TLR4 Transfected Cell line using 2 µg/10<sup>6</sup> cells of hTLR4 antibody (Clone: ABM19C4). Green represents isotype control; red represents anti-hTLR4 antibody. Goat anti-mouse FITC conjugate was used as secondary antibody.