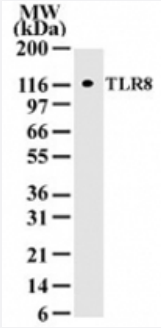
TLR8 monoclonal antibody, clone 44C143

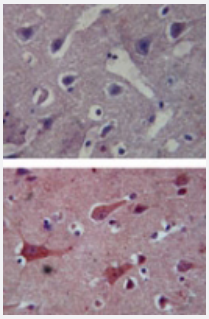
Catalog # MAB0089 Size 100 ug

Applications



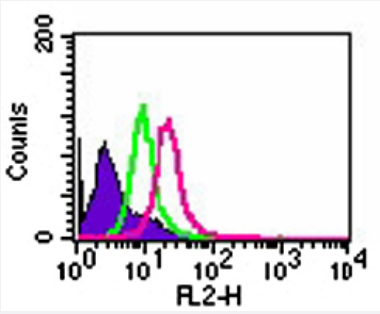
Western Blot (Transfected lysate)

Western blot analysis of TLR8 in cell lysates from 293 transfected with human TLR8. Using TLR8 monoclonal antibody, clone 44C143 (Cat # MAB0089) at a concentration of 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of TLR8 in paraffin-embedded formalin-fixed human brain tissue using an isotype control (top) and TLR8 monoclonal antibody, clone 44C143 (Cat # MAB0089) (bottom) at 5 ug/mL .



Flow Cytometry

Intracellular flow analysis of TLR8 in 1x10^6 Ramos cells. Using 0.5 ug of TLR8 monoclonal antibody, clone 44C143 (Cat # MAB0089) histogram represents Ramos cells without antibody; Green represents isotype control (Sigma, Cat. No. M5284) ; red represents anti-TLR8 antibody.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of TLR8.
Immunogen	A synthetic peptide corresponding to amino acids 750-850 of human TLR8.

Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — TLR8

Entrez GeneID	51311
Gene Name	TLR8
Gene Alias	CD288, MGC119599, MGC119600
Gene Description	toll-like receptor 8
Omim ID	300366

Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. [provided by RefSeq
Other Designations	OTTHUMP00000022930

Publication Reference

- Intracellular signaling mechanisms regulating toll-like receptor-mediated activation of eosinophils.

  Wong CK, Cheung PF, Ip WK, Lam CW.

  American Journal of Respiratory Cell and Molecular Biology 2007 Mar; 37(1):85.

- CD molecules 2006--human cell differentiation molecules.

  Zola H, Swart B, Banham A, Barry S, Beare A, Bensussan A, Boumsell L, D Buckley C, Buhring HJ, Clark G, Engel P, Fox D, Jin BQ, Macardle PJ, Malavasi F, Mason D, Stockinger H, Yang X.

  Journal of Immunological Methods 2006 Dec; 319(1-2):1.

- Unique efficacy of Toll-like receptor 8 agonists in activating human neonatal antigen-presenting cells.

  Levy O, Suter EE, Miller RL, Wessels MR.

  Blood 2006 Apr; 108(4):1284.

- Activation of anti-hepatitis C virus responses via Toll-like receptor 7.

  Lee J, Wu CC, Lee KJ, Chuang TH, Katakura K, Liu YT, Chan M, Tawatao R, Chung M, Shen C, Cottam HB, Lai MM, Raz E, Carson DA.

  PNAS 2006 Jan; 103(6):1828.

- TLR7/8-mediated activation of human NK cells results in accessory cell-dependent IFN-gamma production.

  Orla M Hart, Veronica Athie-Morales, Geraldine M O'Connor, Clair M Gardiner.

  The Journal of Immunology 2005 Aug; 175(3):1636.

Pathway

- Toll-like receptor signaling pathway

Disease

- Arthritis
- Asthma
- Bronchiolitis
- Bronchiolitis Obliterans
- Carcinoma
- Cardiovascular Diseases
- Connective Tissue Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fetal Diseases
- Genetic Predisposition to Disease
- Hemorrhagic Fever
- HIV Infections
- Hodgkin Disease
- Infant
- Infection
- Inflammation
- Melanoma

- Multiple Sclerosis
- Musculoskeletal Diseases
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Skin Diseases
- Skin Neoplasms
- Tuberculosis
- Virus Diseases