

Monoclonal Anti-human TLR8/CD288

Product reference: DDX0480

Description

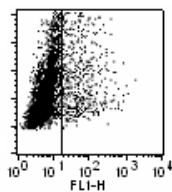
The Toll-Like Receptors (TLRs) represent a family of germline-encoded proteins, composed of C-terminal leucine-rich repeats (LRRs), and an N-terminal Toll/Interleukin-1 Receptor (TIR) domain. In humans, 10 TLRs, sharing high sequence homology, have been identified. TLRs are critical for the detection of pathogen-associated molecular patterns (PAMPs) by the innate immune system. LRRs recognize PAMPs, and signal transduction events, initiated by the TIR domain, lead to activation of transcription factors such as AP-1, IRFs and NFκB, and therefore expression of proinflammatory cytokines and costimulatory molecules. TLR7, TLR8 and TLR9 form a subgroup in the TLR family, because of a strong sequence homology and the nature of their ligands, which are nucleic acids or related molecules. TLR7 and TLR8 are triggered by GU-rich, single-stranded RNA (ssRNA) derived from viruses, or by synthetic small molecules mimicking ssRNA, such as imidazoquinolines. While TLR7 is expressed in lung, placenta and spleen, TLR8 expression is restricted to lung and peripheral blood leukocytes (PBLs). *Heil F. et al, 2003, Eur.J.Immunol, 33, 2987*

Clone:	303F1.14
Species:	mouse
Specificity:	human TLR8
Immunogen:	human recombinant TLR8
Species cross- reactivity:	negative on mouse, rat
Isotype:	IgG2a
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8 Coupled: 100 µg in 200µl / 50 µg in 100 µl Tris PBS 50% glycerol

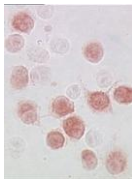
Available formats:

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0480P-50	DDX0480P-100	Purified	WB, IHC frozen section, intra FC
DDX0480A488-50	DDX0480A488-100	Alexa-fluor®488	IF, intra Flow Cytometry
DDX0480A546-50	DDX0480A546-100	Alexa-fluor®546	IF
DDX0480A647-50	DDX0480A647-100	Alexa-fluor®647	intra Flow Cytometry
DDX0480B-50	DDX0480B-100	Biotin	WB

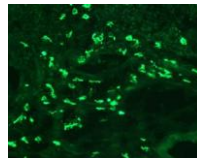
Applications: Flow cytometry, IHC, IF



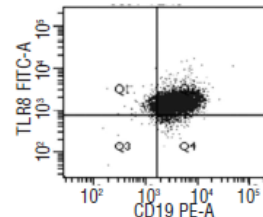
Facs staining of TLR8 transfected 293T cells with 303F1



IHC staining of moDCs (GMCSF+IL4 day6) with 303F1



IF staining of human tonsil cryosection with 303F1A488



TLR8 expression on B-CLL (Arvaniti E et al, 2011)

Usage recommendation:

- *This monoclonal antibody may be used between 1-10 µg/ml
- *Optimal dilution should be determined by each laboratory for each application
- * Coupled antibody: to maintain RT before using

Antibody storage conditions: -20°C. **KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only