

## Monoclonal Anti-human, TLR2/CD282

### Product reference: DDX0530

#### Description:

The Toll-like receptor (TLR) family are type I transmembrane signaling receptors characterized by leucine-rich repeats (LRR) extracellular domain and IL-1 receptor like intracellular domain. TLR family has recently emerged as key for sensing microbial infections and triggering inflammatory and innate responses. Ten TLRs have been cloned in humans. They share structural and functional homologies, as they are all able to detect micro-organisms through direct recognition of conserved Pathogen Associated Molecular Patterns (PAMPs) such as bacterial lipopolysaccharide (LPS) or viral double stranded RNA (dsRNA). TLR2 is expressed on hepatocytes, monocytes/macrophages, dendritic cells, granulocytes, endothelial and epithelial cells and mediates host response to Gram-positive bacteria and yeast *via* stimulation of NF-kappaB. TLR2 functions as part of a heterodimeric complex with either TLR1 or TLR6, and possibly other co-receptors (Wetzler, L., 2003, *Vaccine* 21:S2/55 ; Kirschning, C and R. Schumann, 2002, *Curr. Top. microbiol. Immunol.* 270:121 ; Netea, M. et al., 2004, *J. Leukoc. Biol.* 75:749 ; Flo T. et al, 2001, *J. Leukoc. Biol.* 69:474 ; Akira S., 2003, *Curr. Opin. Immunol.* 15:5)

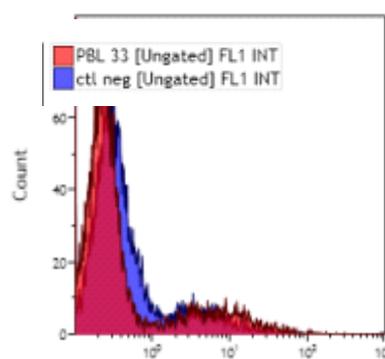
<b>Clone:</b>	<b>1308F10.08</b>
<b>Species / Isotype:</b>	mouse, IgG2b, kappa
<b>Specificity:</b>	human TLR2
<b>Immunogen:</b>	rhuTLR2 (R&D systems, #2616-TR-050) and 293-huTLR2 transfectant
<b>Species cross- reactivity:</b>	nd
<b>Purification:</b>	QMA hyper D ion exchange chromatography
<b>Formulation/size:</b>	<b>Purified:</b> 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8 <b>Coupled:</b> 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol

#### Available formats:

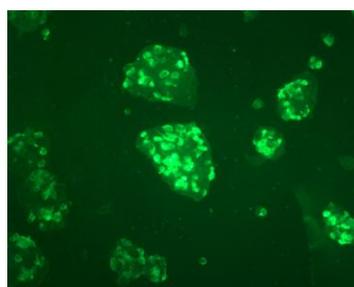
Reference		Format	Application
50 µg	100 µg		
DDX0530P-50	DDX0530P-100	Purified	IF, Flow cytometry, ELISA, functional studies
DDX0530A488-50	DDX0530A488-100	Alexa-Fluor® 488	IF, flow cytometry
DDX0530A546-50	DDX0530A546-100	Alexa-Fluor® 546	IF, flow cytometry
DDX0530A647-50	DDX0530A647-100	Alexa-Fluor® 647	IF, flow cytometry
DDX0530B-50	DDX0530B-100	Biotin	ELISA

#### *Other clones available on request*

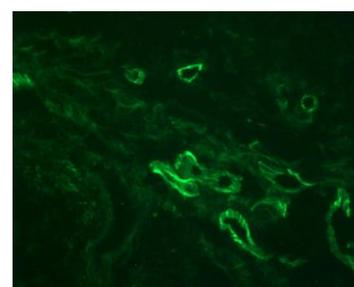
**Applications tested:** IF, Intracellular flow cytometry



PBL FACS staining with 1308F10



IF on HuTLR2-transfected 293 cells  
1308F10



IF on Crohn's disease sample  
1308F10

**Usage recommendation:**

- \*This monoclonal antibody may be used between 5-20 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