

Product datasheet for **DDX0500P-100**

TLR7 Mouse Monoclonal Antibody [Clone ID: 66H3]

Product data:

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|---------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 66H3 |
| Applications: | FC, IHC |
| Recommend Dilution: | <u>DDX0500P-50 / DDX0500P-100 Purified</u> : FACS intracellular, ImmunoHistoChemistry frozen sections, ImmunoHistoChemistry paraffin sections. <u>DDX0480A488-50 / DDX0480A488-100 Alexa-fluor@488</u> : FACS intracellular, ImmunoFluorescence. <u>DDX0500A546-50 / DDX0500A546-100 Alexa-fluor@546</u> : FACS intracellular, ImmunoFluorescence. <u>DDX0500A647-50 / DDX0500A647-100 Alexa-fluor@647</u> : FACS intracellular, ImmunoFluorescence. <u>DDX0500B-50 / DDX0500B-100 Biotin</u> : ImmunoHistoChemistry frozen sections, ImmunoHistoChemistry paraffin sections. |

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.

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|----------------|---|
| Reactivity: | Canine, Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant TLR7-transfected eukaryotic cells. |
| Specificity: | Human TLR7. Species cross-reactivity: Dog |
| Formulation: | <u>Purified</u> : 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8. <u>Coupled</u> : 100 µg in 200µl / 50 µg in 100 µl Tris PBS 50% glycerol. State: Purified |
| Concentration: | 0.5 mg/ml |
| Gene Name: | toll like receptor 7 |



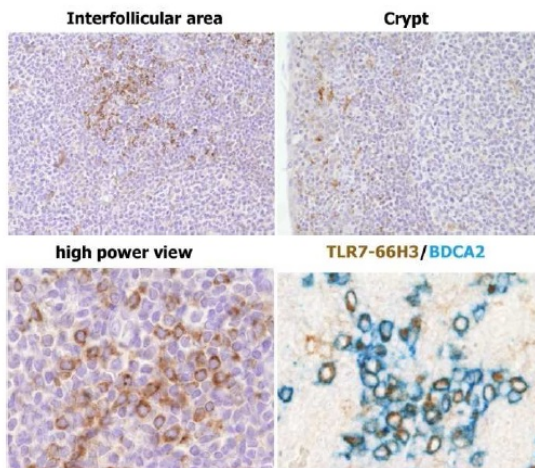
[View online »](#)

Database Link: [Entrez Gene 51284 Human](#)

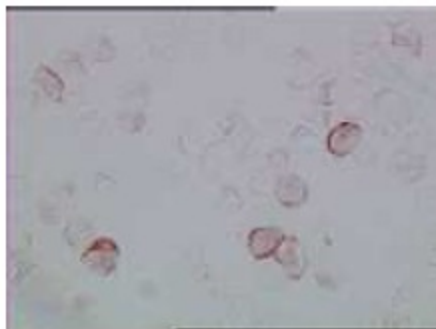
Background: At least twelve members of the Toll family have been identified. TLR7 is expressed on plasmacytoid DCs, B and T lymphocytes, neutrophils, eosinophils, NK cells, and lung and placenta epithelial cells. TLR7 is localized to endosomal/lysosomal compartments and is reported to respond to single-stranded RNA. Plasmacytoid DCs express TLR7 and respond to activation by producing high amounts of IFN- α / β . TLR7 ligands are R848, Imiquimod (Imidazoquinolin family) and loxoribine (guanosin analog). (Diebold S.S. et al, Science 2004, 303, 1529; Barchet W.A. et al, 2005, Eur J Immunol 3:236; Lund J.M. et al., 2004, PNAS 5598; Hell F. et al., 2004 Science, 303, 1526 ; Gilliet M et al.,2008, Natur Rev Immunol.8, 594). The 66H3 clone was generated through mouse immunization with human TLR7-transfected eukaryotic cells, and was found to cross react with canine TLR7 (Bonfont C, personal communication).

Synonyms: Toll-like receptor 7

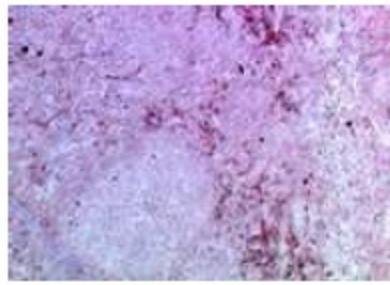
Product images:



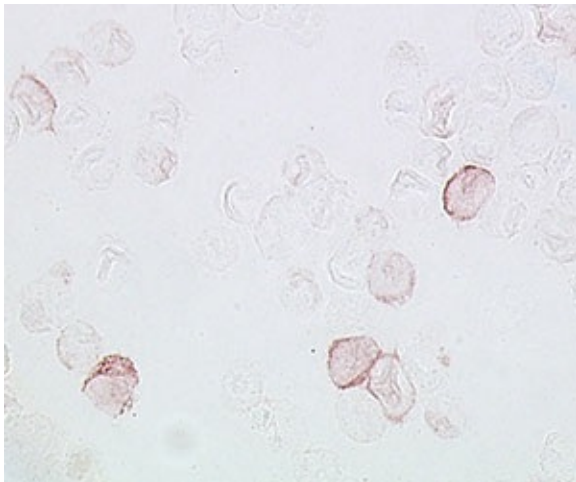
IHC staining of human FFPE tonsil section (Vermi William courtesy)



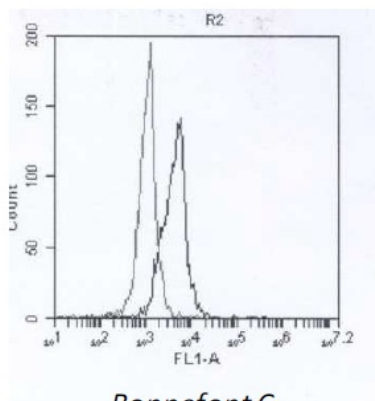
huTLR7-transfected 293 cells stained with 66H3



IHC staining of human tonsil cryosection with 66H3

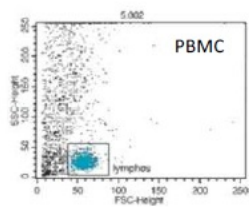


huTLR7-transfected 293 cells stained with 66H3 (DDX0500)



Intracellular FACS staining of a canine cell line with 66H3

*Bonnefont C,
personal comm. 2011*



Intracellular FACS staining of human PBMC with 66H3

