

Product datasheet for **DDX0341A546-100**

IRAK4 Mouse Monoclonal Antibody [Clone ID: 7D8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7D8
Applications:	IF
Recommend Dilution:	<u>DDX0341P-50 / DDX0341P-100 Purified:</u> ImmunoHistoChemistry frozen sections, ImmunoHistoChemistry paraffin sections. <u>DDX0341A488-50 / DDX0341A488-100 Alexa-fluor@488:</u> ImmunoFluorescence. <u>DDX0341A546-50 / DDX0341A546-100 Alexa-fluor@546:</u> ImmunoFluorescence.

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 use.

Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant IRAK-4 transfected 293T cells.
Specificity:	Human IRAK-4.
Formulation:	<u>Purified:</u> 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8. <u>Coupled:</u> 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol. Label: Alexa Fluor 546
Concentration:	0.5 mg/ml
Conjugation:	Alexa Fluor 546
Gene Name:	interleukin 1 receptor associated kinase 4
Database Link:	Entrez Gene 51135 Human



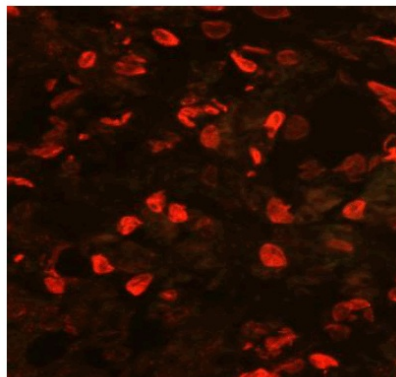
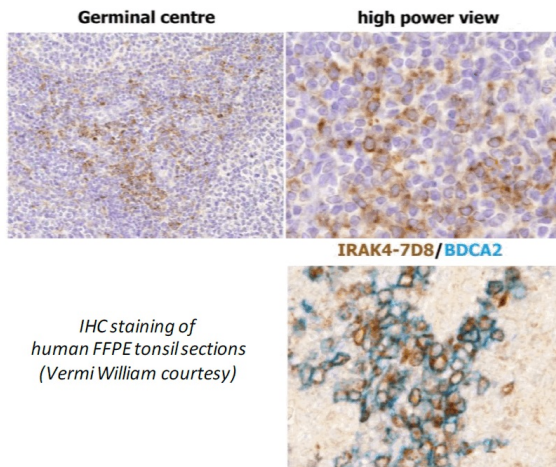
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Background:

IL-1R associated kinases (IRAKs) are important mediators in the signal transduction of Toll / IL-1R (TIR) family members. The mammalian family of IRAK molecules contains four members (IRAK1, IRAK2, IRAK-M and IRAK4). IL-1 stimulation leads to the recruitment of the IL-1R associated kinase (IRAK) to the IL-1 Receptor where IRAK is phosphorylated, ubiquitinated, and eventually degraded. Endogenous IRAK-4 interacts with IRAK-1 and TRAF6 in an IL-1 dependent manner. IRAK-4 is able to phosphorylate IRAK-1. (Cao S. *et al*, 1996 ; *Science*, 271, 1128-1131 ; Li S. *et al*, 2002 ; *PNAS*, 99, 5567-5572)

Synonyms:

IRAK-4, NY-REN-64

Product images:

***Human tonsil cryosection
stained with 7D8-A546***