

Monoclonal Anti-human IRAK-4

Product reference: **DDX0341**

Description

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.

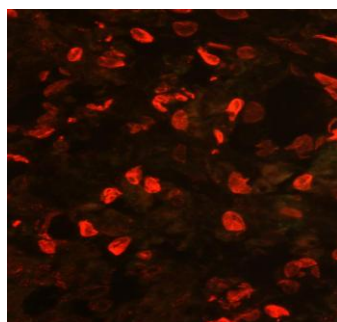
(Cao S. *et al*, 1996 ; *Science*, 271, 1128-1131 ; Li S. *et al*, 2002 ; *PNAS*, 99, 5567-5572)

Clone: 7D8
Species: mouse
Specificity: human IRAK-4
Immunogen: recombinant IRAK-4 transfected 293T cells
Species cross-reactivity: nd
Isotype: IgG1
Formulation/size: **Purified:** 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

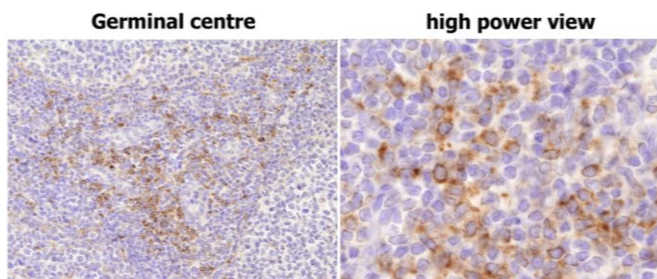
Available formats:

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0341P-50	DDX0341P-100	purified	IHC (cryosection, paraffin)
DDX0341A488-50	DDX0341A488-100	Alexa-fluor@488	IF
DDX0341A546-50	DDX0341A546-100	Alexa-fluor@546	IF

Applications tested: IF,IHC

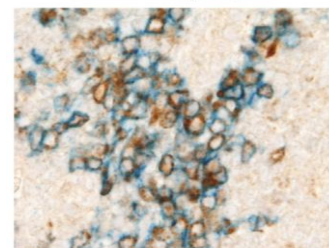


Human tonsil cryosection stained with 7D8-A546



IRAK4-7D8/BDC42

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



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.

Aliquot 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