

## Product datasheet for **TA504897BM**

### **PADI4 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI5B7]**

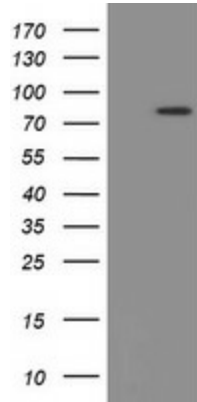
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI5B7
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:2000, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 299-588 of human PADI4(NP_036519) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	73.9 kDa
<b>Gene Name:</b>	peptidyl arginine deiminase 4
<b>Database Link:</b>	<a href="#">NP_036519</a> <a href="#">Entrez Gene 23569 Human</a> <a href="#">Q9UM07</a>
<b>Background:</b>	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response. [provided by RefSeq]
<b>Synonyms:</b>	PAD; PAD4; PADI5; PDI4; PDI5

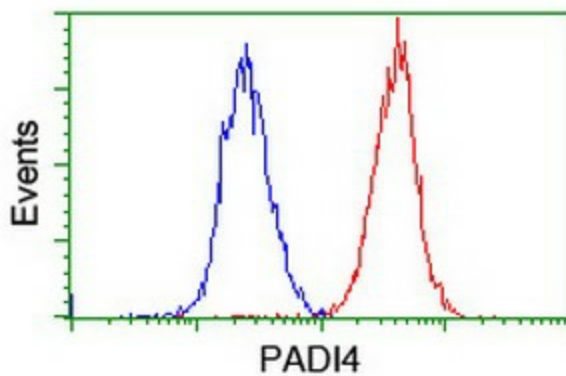


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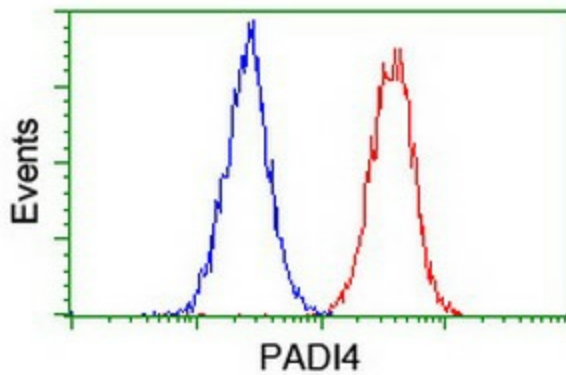
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PADI4 ([RC206501], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PADI4. Positive lysates [LY402202] (100ug) and [LC402202] (20ug) can be purchased separately from OriGene.



Flow cytometric Analysis of HeLa cells, using anti-PADI4 antibody ([TA504897]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-PADI4 antibody ([TA504897]), (Red), compared to a nonspecific negative control antibody, (Blue).