

## Monoclonal Mouse Antibody JAK3

<b>Catalog No.:</b>	Mob 386, Mob 386-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
<b>Immunogen:</b>	BALB/C mice were immunized with recombinant protein encoding C-terminus corresponding to amino acid 1076 –1100 of murine JAK3.
<b>Clone:</b>	A1-14-16
<b>Isotype:</b>	IgG2a, kappa
<b>Format:</b>	This antibody is supplied as purified ascites containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a protein of 115 kD. JAK3 is a member of the Janus family of protein tyrosine kinases along with JAK1, JAK2, and Tyk2. JAK3 is activated in response to IL-3 and IL-4 in T cells and myeloid cells. JAK3 activation requires the serine-rich membrane-proximal region of the IL-2 receptor $\beta$ -chain. Expression of JAK3 is restricted to NK and T cells. This antibody cross reacts with mouse.
<b>Positive Control:</b>	Colon carcinoma
<b>Cellular Localization:</b>	Cell membrane, cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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