

## MOUSE ANTI-SYK MONOCLONAL ANTIBODY

<b>CATALOG NUMBER:</b>	MAB88906
<b>LOT NUMBER:</b>	22040875
<b>QUANTITY:</b>	50 µg
<b>SPECIFICITY:</b>	Recognizes a protein of 72 kDa, which is identified as Syk, a protein tyrosine kinase (PTK). MAB88906 reacts with both the un(der)phosphorylated as well as the phosphorylated form of Syk protein. The antibody is highly specific to p72Syk and shows no cross-reaction with ZAP-70 or other related protein tyrosine kinases. Syk protein is expressed in immature T cells, all B cells, basophils, hepatocytes, platelets, and erythrocytes. It functions in some T cell receptor signaling processes in addition to B cell receptor and integrin-mediated signal transduction processes. MAB88906 supports <i>in vitro</i> kinase activity.
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to the cytoplasmic domain of human Syk protein (aa 313-339) coupled to KLH.
<b>ISOTYPE:</b>	IgG <sub>2a/k</sub>
<b>CLONE NAME:</b>	4D10.1
<b>APPLICATIONS:</b>	Western blot: 0.5-1.0 µg/mL for 2 hours at room temperature. Immunoprecipitation: 2 µg/mg protein lysate, native and denatured (use Protein A) <i>In Vitro</i> kinase assay Immunohistochemistry (formalin/paraffin): Use antibody at 1-2 µg/mL for 30 minutes at room temperature. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 min followed by cooling at room temperature for 20 minutes.  Optimal working dilutions must be determined by end user.
<b>POSITIVE CONTROL:</b>	Raji, K562, HL-60, U937 cells, or lymphoma.
<b>FORMAT:</b>	Purified immunoglobulin.
<b>PRESENTATION:</b>	Provided as 200 µg/mL in 10 mM PBS, pH 7.4, 0.2% BSA, 0.09% sodium azide.
<b>STORAGE/HANDLING:</b>	Maintain refrigerated at 2-8°C in undiluted aliquots for up to 12 months.

*For research use only; not for use as a diagnostic.*

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*