Datasheet: MCA2383

**Description:** MOUSE ANTI SYK

**Specificity:** SYK

**Other names:** SPLEEN TYROSINE KINASE

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** SYK-01

**Isotype:** IgG1

**Quantity:** 0.1 mg

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

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<th>No</th>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Mouse, Rat

*N.B.* Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

**Approx. Protein Concentrations**

Ig concentration 1.0 mg/ml

**Immunogen**

Recombinant fragment corresponding to amino acids 5 - 360 of human syk.
**External Database Links**

- **UniProt:** P43405  Related reagents
- **Entrez Gene:** 6850  SYK  Related reagents

**Specificity**

Mouse anti Human Syk antibody, clone SYK-01 recognizes protein tyrosine kinase p72syk (syk), a ~72kDa non-receptor tyrosine kinase, critical for immunoreceptor signaling in haematopoietic cells, but also expressed by nonhaematopoietic cells, including fibroblasts, endothelial cells and hepatocytes.

Syk plays an important role in mast cell response, initiated by the aggregation of the IgE high affinity receptor Fc epsilon R1. Phosphorylation of ITAMs within Fc receptor R1 by another tyrosine kinase lyn, results in the recruitment of syk, which is then responsible for the further phosphorylation of numerous target proteins within many different signal transduction pathways.

Syk also plays a major role in B cell receptor-mediated apoptosis, proliferation and haematopoiesis. Syk associates with protein kinase C alpha during platelet activation.

**Western Blotting**

MCA2383 detects a band of approximately 72kDa in Ramos & RBL cell lysates.

**References**


**Storage**

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR12...) **RPE**
Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)