

## Product datasheet for **TA327963**

### **SYK Mouse Monoclonal Antibody [Clone ID: 4D10.2]**

#### **Product data:**

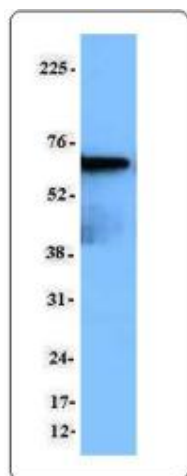
|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | 4D10.2  |
| Applications:           | WB  |
| Recommended Dilution:   | WB, IP, ICFC  |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG2a, kappa  |
| Clonality:              | Monoclonal  |
| Immunogen:              | Human Syk peptide aa314-339   |
| Formulation:            | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.   |
| Concentration:          | lot specific  |
| Purification:           | The antibody was purified by affinity chromatography.   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 72 kD   |
| Gene Name:              | spleen tyrosine kinase  |
| Database Link:          | <a href="#">NP_003168</a><br><a href="#">Entrez Gene 6850 Human P43405</a>  |
| Background:             | Syk is a cytoplasmic 72 kD non-receptor tyrosine kinase that is widely expressed in hematopoietic cells. The Syk kinase associates with a number of proteins including c-Src, Lck, Lyn, Fyn, Vav1, STAT3, SHP1, Grb2, and LAT to couple immunoreceptors to downstream signaling events mediating cellular proliferation, differentiation, and phagocytosis. Syk is modified by phosphorylation on multiple tyrosine sites |
| Synonyms:               | p72-Syk   |
| Protein Families:       | Druggable Genome, Protein Kinase  |



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**Protein Pathways:** B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity

**Product images:**



Jurkat cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-Syk (clone 4D10.2) antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.