

## ZAP70 (Chronic Lymphocytic Leukemia Marker) Antibody

Mouse Monoclonal Antibody [Clone ZAP70/528]

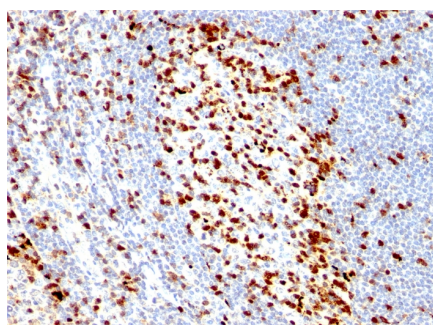
| Catalog No      | Format                            | Size     |
|-----------------|-----------------------------------|----------|
| 7535-MSM2-P0    | Purified Ab with BSA and Azide    | 200ug/ml |
| 7535-MSM2-P1    | Purified Ab with BSA and Azide    | 200ug/ml |
| 7535-MSM2-P1ABX | Purified Ab WITHOUT BSA and Azide | 1.0mg/ml |

| Applications               | Tested Dillution |
|----------------------------|------------------|
| Immunohistochemistry (IHC) | 1-2ug/ml         |

| Product Details        |                                             |
|------------------------|---------------------------------------------|
| Clone                  | ZAP70/528                                   |
| Gene Name              | ZAP70                                       |
| Immunogen              | Recombinant full-length human ZAP70 protein |
| Host                   | Mouse                                       |
| Clonality              | Monoclonal                                  |
| Isotype / Light Chain  | IgG2a / Kappa                               |
| Mol. Weight of Antigen | 70kDa                                       |
| Cellular Localization  | Cell membrane, Cytoplasm                    |
| Species Reactivity     | Human                                       |
| Positive Control       | Jurkat cells. Tonsil or lymph node.         |

*\*Optimal dilution for a specific application should be determined.*

### Product Images for ZAP70 (Chronic Lymphocytic Leukemia Marker) Antibody



Formalin-fixed, paraffin-embedded human Tonsil stained with ZAP70 Mouse Monoclonal Antibody (ZAP70/528).

### Specificity & Comments

ZAP70 is a 70kDa protein tyrosine kinase found in T-cells and natural killer cells. Control of this protein translation is via the IgVH gene. ZAP70 protein is expressed in leukemic cells of approximately 25% of chronic lymphocytic leukemia (CLL) cases as well. Anti-ZAP70 expression is an excellent surrogate marker for the distinction between the Ig-mutated (anti-ZAP70 negative) and Ig-unmutated (anti-ZAP70 positive) CLL subtypes and can identify patient groups with divergent clinical courses. The anti-ZAP70 positive Ig-unmutated CLL cases have been shown to have a poorer prognosis.

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### Research Areas

Cardiovascular, Immunology, PD-1 blockade immunotherapy, Signal Transduction

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### Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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