

## Rabbit MD-2 Polyclonal Antibody | anti-LY96 antibody

MD-2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA39638  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

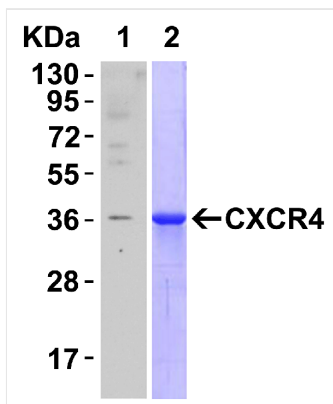
### PRODUCT SYNONYMS

MD-2; Polyclonal Antibody; MD-2 Antibody; MD2; ly-96; ESOP-1; ESOP1; Lymphocyte antigen 96; Ly-96; lymphocyte antigen 96; anti-LY96 antibody

### PRODUCT SPECIFICATIONS

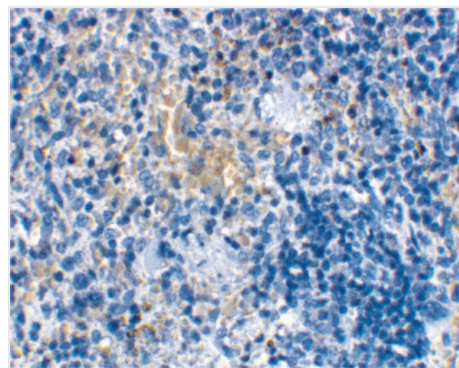
|                                                |                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                            |
| Isotype                                        | IgG                                                                                                                   |
| Purity/Purification                            | MD-2 Antibody is affinity chromatography purified via peptide column.                                                 |
| Form/Format                                    | Liquid                                                                                                                |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                               |
| Sequence Length                                | 160                                                                                                                   |
| Applicable Applications for anti-LY96 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                         |
| Conjugate                                      | Unconjugated                                                                                                          |
| Immunogen                                      | MD-2 antibody was raised against a peptide corresponding to 13 amino acids near the center of human MD-2.             |
| Buffer                                         | MD-2 Antibody is supplied in PBS containing 0.02% sodium azide.                                                       |
| Preparation and Storage                        | Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



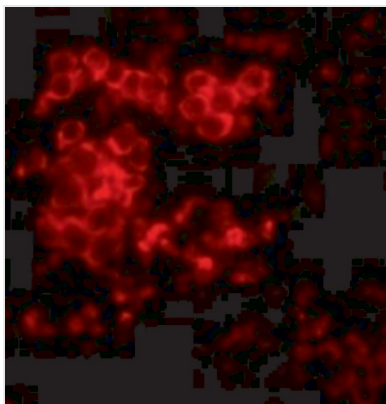
#### IF (Immunofluorescence)

Immunofluorescence of MD-2 in human spleen tissue with MD 2 antibody at 20 &amp;#956;g/mL.Red: MD-2 Antibody (3289)Blue: DAPI staining



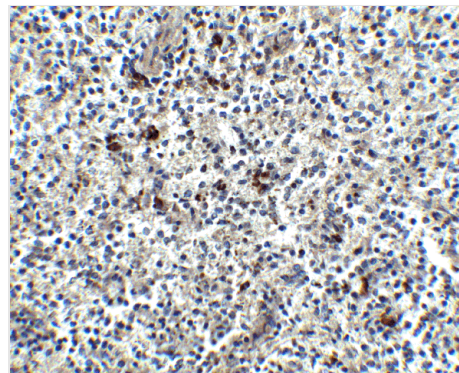
#### IHC (Immunohistochemistry)

Immunohistochemical staining of rat spleen cells using MD-2 antibody at 2 &amp;#956;g/mL.



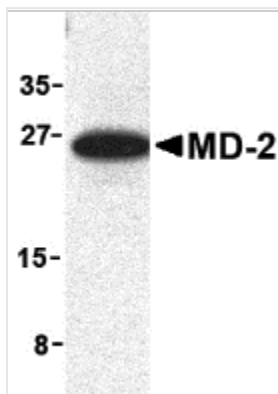
#### IF (Immunofluorescence)

Immunofluorescence of MD-2 in Rat Spleen tissue with MD-2 antibody at 10 µg/mL.



#### IHC (Immunohistochemistry)

Immunohistochemistry of MD-2 in human spleen tissue with MD-2 antibody at 2.5 µg/mL.



#### WB (Western Blot)

Western blot analysis of MD-2 in mouse spleen cell lysate with MD-2 antibody at 1 µg/mL.

## ADDITIONAL INFORMATION

### Related Product Information for anti-LY96 antibody

**MD-2 Antibody:** MD-2 is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs). TLRs are signaling molecules that recognize different pathogen-associated molecular patterns (PAMPs) and serve as an important link between the innate and adaptive immune responses. TLR4, the major signaling receptor for lipopolysaccharide (LPS), requires the binding of MD-2 to its extracellular region for maximal response to LPS. The specificity of this response is determined by the species of MD-2; e.g., human MD-2 can cause mouse TLR4 to react to LPS analogs that are normally antagonistic to human but not mouse TLR4.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">223555998</a>                                                |
| NCBI GeneID                      | <a href="#">23643</a>                                                    |
| NCBI Accession #                 | <a href="#">NP_056179</a>                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_015364.3</a>                                              |
| UniProt Accession #              | <a href="#">Q9Y6Y9</a> ; <a href="#">B3Y6A5</a> ; <a href="#">E5RJJ7</a> |
| Molecular Weight                 | 14,933 Da                                                                |
| NCBI Official Full Name          | lymphocyte antigen 96                                                    |
| NCBI Official Synonym Full Names | lymphocyte antigen 96                                                    |
| NCBI Official Symbol             | LY96                                                                     |
| NCBI Official Synonym Symbols    | MD2; MD-2; ly-96; ESOP-1                                                 |

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| NCBI Protein Information   | lymphocyte antigen 96; protein MD-2; myeloid differentiation protein-2 |
| UniProt Protein Name       | Lymphocyte antigen 96                                                  |
| UniProt Gene Name          | LY96                                                                   |
| UniProt Synonym Gene Names | ESOP1; MD2; Ly-96                                                      |
| UniProt Entry Name         | LY96_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/md-2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39638>