

## Anti-CD38 antibody (43-300) (STJ115571)

### GENERAL INFORMATION

|               |                       |
|---------------|-----------------------|
| Product Type  | Primary antibodies    |
| Applications  | WB/IHC-P/IF/ICC/ELISA |
| Host / Source | Rabbit                |
| Reactivity    | Human/Mouse/Rat       |

### PRODUCT PROPERTIES

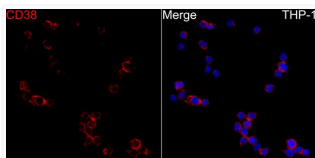
|                     |                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                                            |
| Concentration       | Lot specific                                                                                                                                                                                          |
| Conjugation         | Unconjugated                                                                                                                                                                                          |
| Purification        | Affinity purification                                                                                                                                                                                 |
| Dilution Range      | WB:1:500-1:2000<br>IHC-P:1:2000-1:4000<br>IF/ICC:1:50-1:200<br>ELISA:Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.                                                                                                                                                    |
| Isotype             | IgG                                                                                                                                                                                                   |
| Molecular Weight    | Protein Mw: 34kDa<br>Observed Mw: 45kDa                                                                                                                                                               |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                        |

### TARGET INFORMATION

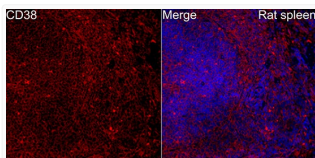
|                    |                                                                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">952</a>                                                                                                                                                                                                                                          |
| Gene Symbol        | <a href="#">CD38</a>                                                                                                                                                                                                                                         |
| UniProt ID         | <a href="#">CD38_HUMAN</a>                                                                                                                                                                                                                                   |
| Immunogen Region   | 43-300                                                                                                                                                                                                                                                       |
| Immunogen Sequence | VPWRQWQSGPGTTRFPET VLARCVKYTEIHPMRHVDC QSVWDAFKGAFISKHPCNIT<br>EEDYQPLMKLGTQTVPCNKI LLWSRIKDLAQFTQVQRDM FTLEDTLGLYADDLTWCGE<br>FNTSKINYQSCPDWRKDCSN NPVSVFWKTVSRFEEAACD VHVMLNGSRSKIFDKNSTF<br>GSVEVHNLQPEKVQTLAWV IHGGREDSRDLCDQDPTIKEL ESIISKRNQFSCCKNIYRP |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 43-300 of human CD38 (NP_001766.2).                                                                                                                                            |

### ADDITIONAL INFORMATION

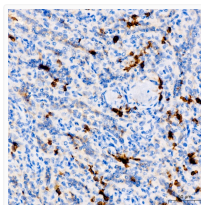
|      |                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------|
| Note | STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS. |
|------|-------------------------------------------------------------------------------------------------------------------------|



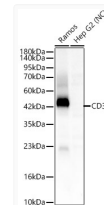
Immunofluorescence analysis of THP-1 cells using CD38 Rabbit polyclonal antibody (STJ115571) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat spleen cells using CD38 Rabbit polyclonal antibody (STJ115571) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of CD38 in paraffin-embedded human spleen tissue using CD38 Rabbit polyclonal antibody (STJ115571) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval was performed with 0.01M Tris-EDTA buffer (pH 9.0) prior to immunohistochemistry staining.



Western blot analysis of various lysates using CD38 Rabbit polyclonal antibody (STJ115571) at 1:2000 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Enhanced Kit. Negative control (NC) : Hep G2. Exposure time: 30s.