

## Anti-CD247 antibody (50-164) (STJ22982)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

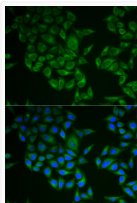
|                     |                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                                        |
| Concentration       | Lot specific                                                                                                                                                                                      |
| Conjugation         | Unconjugated                                                                                                                                                                                      |
| Purification        | Affinity purification                                                                                                                                                                             |
| Dilution Range      | WB:1:100-1:500<br>IHC-P:1:50-1:200<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 0.02% Sodium Azide, 50% Glycerol, pH 7.3.                                                                                                                                                |
| Isotype             | IgG                                                                                                                                                                                               |
| Molecular Weight    | Protein Mw: 19kDa<br>Observed Mw: 19kDa                                                                                                                                                           |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                    |

### TARGET INFORMATION

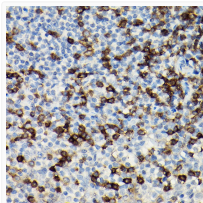
|                    |                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">919</a>                                                                                                        |
| Gene Symbol        | <a href="#">CD247</a>                                                                                                      |
| UniProt ID         | <a href="#">CD3Z_HUMAN</a>                                                                                                 |
| Immunogen Region   | 50-164                                                                                                                     |
| Immunogen Sequence | FLRVKFSRSADAPAYQQGQN QLYNELNLGRREEYDVLDKR RGRDPEMGGKQRRKNPQEG<br>LYNELQKDKMAEAYSEIGMK GERRRGKGHDGLYQGLSTAT KDTYDALHMQALPPR |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 50-164 of human CD3H (NP_932170.1).          |

### ADDITIONAL INFORMATION

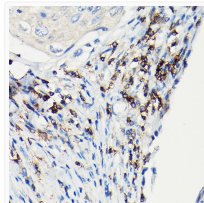
|      |                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------|
| Note | STRICTLY FOR FURTHER SCIENTIFIC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



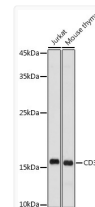
Immunofluorescence analysis of A549 cells using CD3H antibody (STJ22982). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD3H antibody (STJ22982) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using CD3H antibody (STJ22982) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using CD3H antibody (STJ22982) at 1:500 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. Exposure time: 180s.