

## Mouse CD284 Monoclonal Antibody | anti-CD284 antibody

MOUSE ANTI HUMAN CD284:Biotin

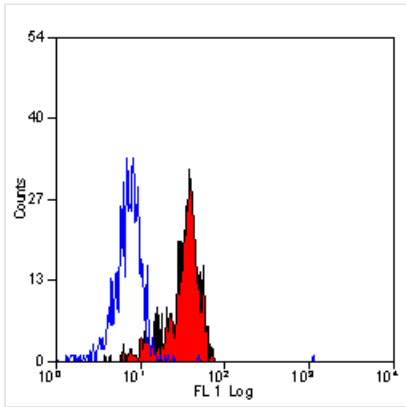
|                              |                      |                                                         |
|------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA11851</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

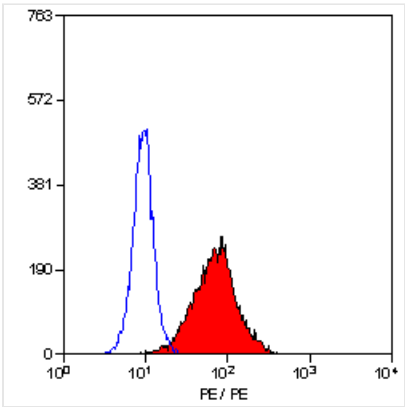
CD284; Monoclonal Antibody; MOUSE ANTI HUMAN CD284:Biotin; anti-CD284 antibody

### PRODUCT SPECIFICATIONS

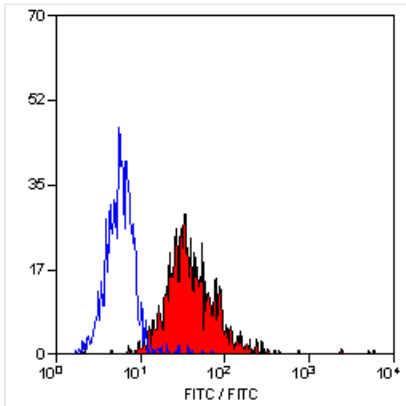
|                                                 |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                         | IgG2a                                                                                                                                                                                                                                                                                                                                                         |
| Clone Number                                    | HTA125                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                     | Biotin<br>Purified IgG conjugated to Biotin - liquid                                                                                                                                                                                                                                                                                                          |
| Concentration                                   | IgG concentration 0.1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                   |
| Sequence Length                                 | 639                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-CD284 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                     |
| Application Notes                               | Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells or cells or 100ul whole blood.                                                                                                                                                                                                                                                  |
| Perservative Stabilisers                        | 0.09% Sodium Azide<br>1% Bovine Serum Albumin<br>Preparation                                                                                                                                                                                                                                                                                                  |
| Immunogen                                       | Ba/F3 cell line expressing TLR4 (CD284).<br>Fusion Partners                                                                                                                                                                                                                                                                                                   |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                         | Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |



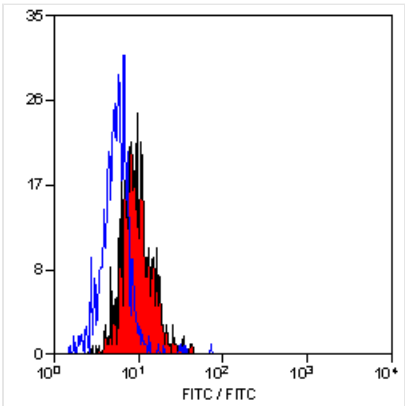
**Application Data**  
Staining of human peripheral blood monocytes with Mouse anti Human CD284: Low Endotoxin



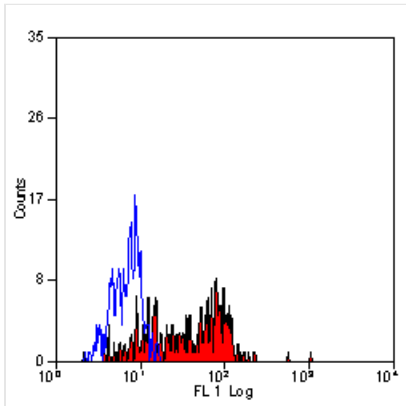
**Application Data**  
Staining of U937 cells with Mouse anti Human CD284:RPE



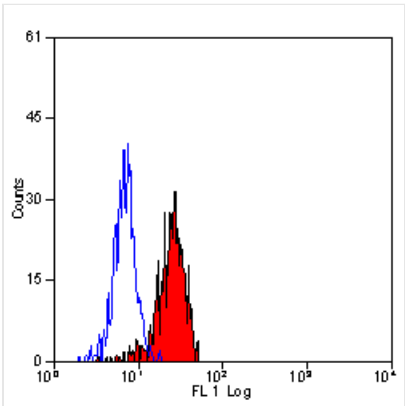
**Application Data**  
Staining of human peripheral blood monocytes with Mouse anti Human CD284



**Application Data**  
Staining of human peripheral blood monocytes with Mouse anti Human CD284: FITC



**Application Data**  
Staining of human peripheral blood monocytes with Mouse anti Human CD284: Alexa Fluor 647



**Application Data**  
Staining of human peripheral blood monocytes with Mouse anti Human CD284: Alexa Fluor 488

ADDITIONAL INFORMATION

Related Product Information for anti-CD284 antibody

Mouse anti Human CD284 antibody, clone HTA125 recognizes the human Toll like receptor 4 (TLR4) cell surface antigen. TLR4, also known as CD284, has been demonstrated to act as a receptor for LPS on human monocytes and macrophages. TLR4 signalling of LPS stimulation requires the presence of the MD-2 molecule. TLR4 is weakly expressed by resting cells, but is upregulated following stimulation with LPS. This antibody has been demonstrated to block activation of monocytes with LPS. We recommend the use of MBS211211 for this purpose.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4507533                                                                                        |
| NCBI GeneID                      | 7099                                                                                           |
| NCBI Accession #                 | NP_003257.1                                                                                    |
| NCBI GenBank Nucleotide #        | NM_003266.3                                                                                    |
| UniProt Accession #              | O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53 |
| Molecular Weight                 | 73,301 Da                                                                                      |
| NCBI Official Full Name          | toll-like receptor 4 isoform C                                                                 |
| NCBI Official Synonym Full Names | toll-like receptor 4                                                                           |
| NCBI Official Symbol             | TLR4                                                                                           |
| NCBI Official Synonym Symbols    | TOLL; CD284; TLR-4; ARMD10                                                                     |
| NCBI Protein Information         | toll-like receptor 4; hToll; homolog of Drosophila toll                                        |
| UniProt Protein Name             | Toll-like receptor 4                                                                           |
| UniProt Gene Name                | TLR4                                                                                           |
| UniProt Entry Name               | TLR4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd284-antibody-clone-hta125-flow-cytometry-elisa/11851>