

Human MFGE8 Antibody Pair Set

| | | | |
|--------------------|--|---------------------|-------|
| Catalog No. | E-KAB-0533 | Applications | ELISA |
| Synonyms | MFG-E8;BA46;EDIL1;HMFG;MFGM;SED1;OAcGD3S;SPAG10;hP47;Lactadherin | | |

Kit components & Storage

| Title | Specifications | Storage |
|---|----------------|---|
| Human MFGE8 Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze/thaw cycles. |
| Human MFGE8 Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze/thaw cycles. |

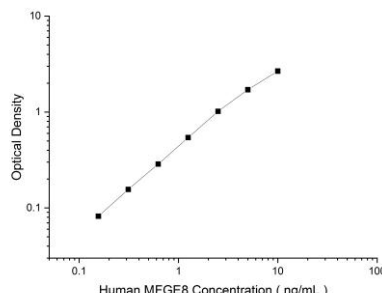
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

| Items | | Characteristic (E-KAB-0533) | |
|-----------------------|---------------|--|---|
| | | Human MFGE8 Capture Antibody | Human MFGE8 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human MFGE8 protien | Recombinant Human MFGE8 protien |
| | Swissprot | Q08431 | |
| Product details | Reactivity | Human | Human |
| | Host | Sheep | Sheep |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5 mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5 | PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5 |
| | Purify | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Human MFGE8 in ELISAs. | |

Applications

Human MFGE8 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|-----------------------------------|------------------------------------|---|--|-----------------------------------|-----------------|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|----|----|
| ELISA Capture | 0.5-4 µg/mL | Human MFGE8 Capture Antibody |  <p>The graph is a log-log plot of Optical Density versus Human MFGE8 Concentration (ng/mL). The x-axis ranges from 0.1 to 100 ng/mL, and the y-axis ranges from 0.1 to 10. The data points form a straight line, indicating a linear relationship between the concentration of Human MFGE8 and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MFGE8 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>0.1</td><td>0.1</td></tr> <tr><td>0.2</td><td>0.2</td></tr> <tr><td>0.5</td><td>0.5</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>10</td><td>10</td></tr> </tbody> </table> | Human MFGE8 Concentration (ng/mL) | Optical Density | 0.1 | 0.1 | 0.2 | 0.2 | 0.5 | 0.5 | 1 | 1 | 2 | 2 | 5 | 5 | 10 | 10 |
| Human MFGE8 Concentration (ng/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 0.1 | 0.1 | | | | | | | | | | | | | | | | | | |
| 0.2 | 0.2 | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.5 | | | | | | | | | | | | | | | | | | |
| 1 | 1 | | | | | | | | | | | | | | | | | | |
| 2 | 2 | | | | | | | | | | | | | | | | | | |
| 5 | 5 | | | | | | | | | | | | | | | | | | |
| 10 | 10 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human MFGE8 Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a preproprotein that is proteolytically processed to form multiple protein products. The major encoded protein product, lactadherin, is a membrane glycoprotein that promotes phagocytosis of apoptotic cells. This protein has also been implicated in wound healing, autoimmune disease, and cancer. Lactadherin can be further processed to form a smaller cleavage product, medin, which comprises the major protein component of aortic medial amyloid (AMA). Alternative splicing results in multiple transcript variants.