

Human ADAM12 Antibody Pair Set

| | | | |
|--------------------|---|---------------------|-------|
| Catalog No. | E-KAB-0711 | Applications | ELISA |
| Synonyms | MCMP;MCMPLtna;MLTN;MLTNA;Meltrin Alpha;Disintegrin and metalloproteinase domain-containing protein 12 | | |

Kit components & Storage

| Title | Specifications | Storage |
|--|----------------|--|
| Human ADAM12 Capture Antibody | 1 vial, 100 µg | Store at -20℃. Avoid freeze / thaw cycles. |
| Human ADAM12 Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20℃. Avoid freeze / thaw cycles. |

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

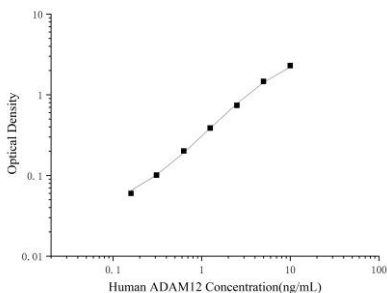
Product Information

| Items | | Characteristic (E-KAB-0711) | |
|-----------------------|---------------|--|---|
| | | Human ADAM12 Capture Antibody | Human ADAM12 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human ADAM12 protein | Recombinant Human ADAM12 protein |
| | Swissprot | O43184 | |
| Product details | Reactivity | Human | Human |
| | Host | Sheep | Rabbit |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Affinity purification | Protein A & Antigen Affinity |
| | Specificity | Detects Human ADAM12 in ELISAs. | |

For Research Use Only

Applications

Human ADAM12 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|------------------------------------|------------------------------------|--|---|------------------------------------|-----------------|-----|------|-----|-----|-----|-----|---|-----|---|-----|---|-----|----|-----|
| ELISA Capture | 0.5-4ug/mL | Human ADAM12 Capture Antibody |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human ADAM12 Concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.2</td><td>0.1</td></tr><tr><td>0.5</td><td>0.2</td></tr><tr><td>1</td><td>0.4</td></tr><tr><td>2</td><td>0.8</td></tr><tr><td>5</td><td>1.5</td></tr><tr><td>10</td><td>2.5</td></tr></tbody></table> | Human ADAM12 Concentration (ng/mL) | Optical Density | 0.1 | 0.05 | 0.2 | 0.1 | 0.5 | 0.2 | 1 | 0.4 | 2 | 0.8 | 5 | 1.5 | 10 | 2.5 |
| Human ADAM12 Concentration (ng/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 0.1 | 0.05 | | | | | | | | | | | | | | | | | | |
| 0.2 | 0.1 | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.2 | | | | | | | | | | | | | | | | | | |
| 1 | 0.4 | | | | | | | | | | | | | | | | | | |
| 2 | 0.8 | | | | | | | | | | | | | | | | | | |
| 5 | 1.5 | | | | | | | | | | | | | | | | | | |
| 10 | 2.5 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human ADAM12 Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

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

Background

ADAM12 involved in skeletal muscle regeneration, specifically at the onset of cell fusion. Also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors. Isoform 1 is expressed in placenta and skeletal, cardiac, and smooth muscle. Isoform 2 seems to be expressed only in placenta or in embryo and fetus. Both forms were expressed in some tumor cells lines.