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# Anti-Mesothelin Reference Antibody (amatuximab)

Recombinant Antibody
Catalog # APR10229

## Product Information

| | |
|---|---|
| **Application** | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| **Primary Accession** | Q13421 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Calculated MW** | 68070 |

## Additional Information

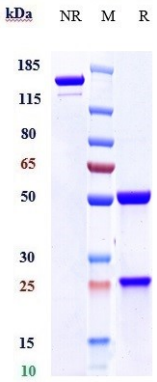
| | |
|---|---|
| **Target/Specificity** | Mesothelin |
| **Endotoxin** | |
| **Conjugation** | Unconjugated |
| **Expression system** | CHO |
| **Format** | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column. |

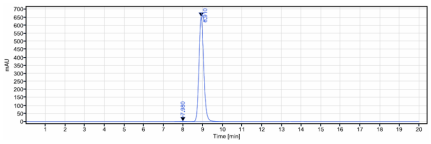
## Protein Information

| | |
|---|---|
| **Name** | MSLN |
| **Synonyms** | MPF |
| **Function** | Membrane-anchored forms may play a role in cellular adhesion. |
| **Cellular Location** | Cell membrane; Lipid-anchor, GPI-anchor. Golgi apparatus [Isoform 5]: Secreted. |
| **Tissue Location** | Expressed in lung. Expressed at low levels in heart, placenta and kidney. Expressed in mesothelial cells. Highly expressed in mesotheliomas, ovarian cancers, and some squamous cell carcinomas (at protein level). |

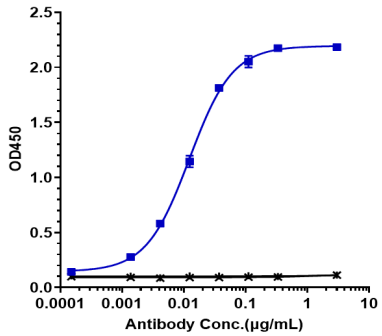
## Images

Anti-Mesothelin Reference Antibody (amatuximab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

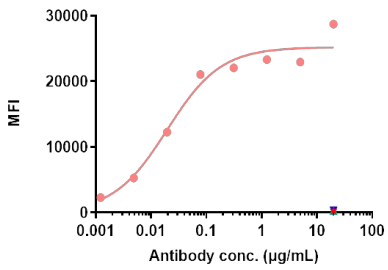


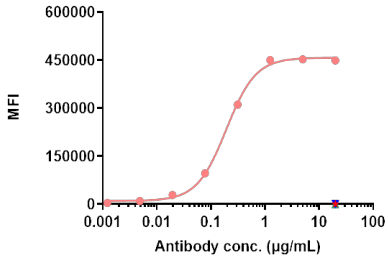
The purity of Anti-Mesothelin Reference Antibody (amatuximab) is 99.47%, determined by SEC-HPLC.




Immobilized human Mesothelin His at 2 ug/mL can bind Anti-Mesothelin Reference Antibody (amatuximab), EC50=0.01226 ug/mL.




NCI-N87 cells were stained with Anti-Mesothelin Reference Antibody (amatuximab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.020 ug/mL.




Human Mesothelin CHO-K Cell Line were stained with Anti-Mesothelin Reference Antibody (amatuximab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.193 ug/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.