

Anti-MSLN, AlpHcAbs[®] Human antibody

Summary

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|------------------|--|
| Code | 300-513-001 |
| Immunogen | Recombinant human MSLN |
| Host | Alpaca pacous |
| Isotype | VHH domain of alpaca IgG2b/2c fused to Human IgG1 Fc(mutation) |
| Conjugate | Unconjugated |
| Specificity | Human MSLN |
| Cross-Reactivity | Cross-reactivity with cynomolgus MSLN |
| Purity | Recombinant Expression and Affinity purified |
| Concentration | 1mg/ml |
| Formation | Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol |
| Storage | Store at -20 °C, (Avoid freeze / thaw cycles), Stable for 12 months at -20°C |

Description

Anti-MSLN, AlpHcAbs[®] Human antibody is designed for detecting human MSLN specifically. Anti-MSLN, AlpHcAbs[®] Human antibody is recombinant VHH domain of alpaca IgG2b/2c fused to Human IgG1 Fc. Based on ELISA, Anti-MSLN, AlpHcAbs[®] Human antibody reacts with human MSLN, and has reactivity with cynomolgus MSLN.

Background

Mesothelin is a glycosylphosphatidylinositol (GPI)-anchored, cell-surface glycoprotein predominantly secreted by cells of the mesothelium. Although Mesothelin is expressed at restricted levels by normal mesothelial cells of the pleural, pericardial, and peritoneal membranes, aberrant expression has been documented in the aforementioned cancers, as well as in endometriod uterine adenocarcinomas and squamous cell carcinomas of the esophagus, stomach, lung, and cervix.

Using antibody with Fc(mutation), the background from Fc receptors will be eliminated.

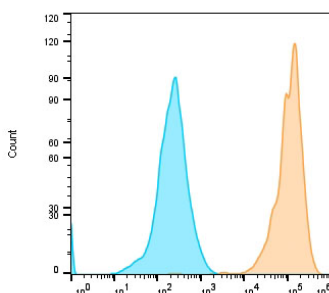
Benefits

- High lot-to-lot consistency
- Increased sensitivity and higher affinity
- Animal-free production

Suggested Working Concentration

| | |
|----------------|-----------------|
| ELISA | 1:4,000-1:10000 |
| Flow Cytometry | 1:200-1:1000 |

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.



Flow cytometric analysis of MSLN-overexpressed ASPC-1 cells labeling MSLN with 300-513-001 at 1:10000 (yellow) compared with Human IgG1-Isotype control(green). Anti-Human IgG(H+L),HcAbs[®] Goat antibody(FITC)(023-403-006), at 1/1000 dilution was used as the secondary antibody.

This product is for research use only and is not approved for use in humans or in clinical