

**DESCRIPTION**

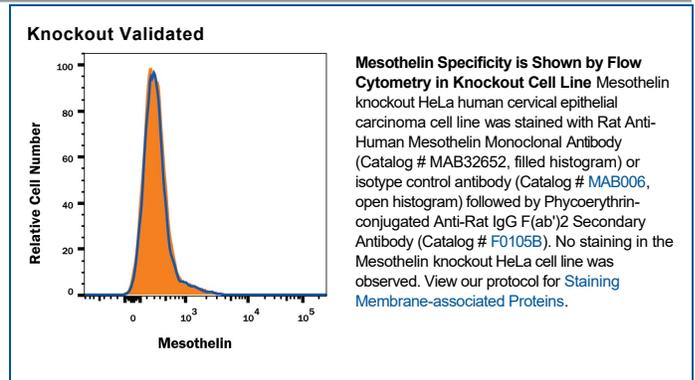
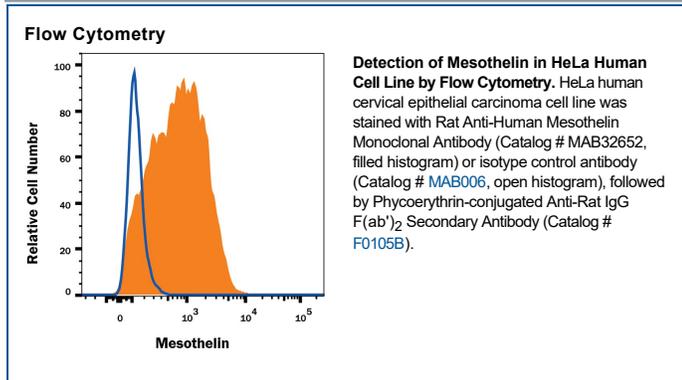
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Mesothelin in direct ELISAs.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 420411
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Mesothelin Glu296-Gly580 Accession # AAH09272
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

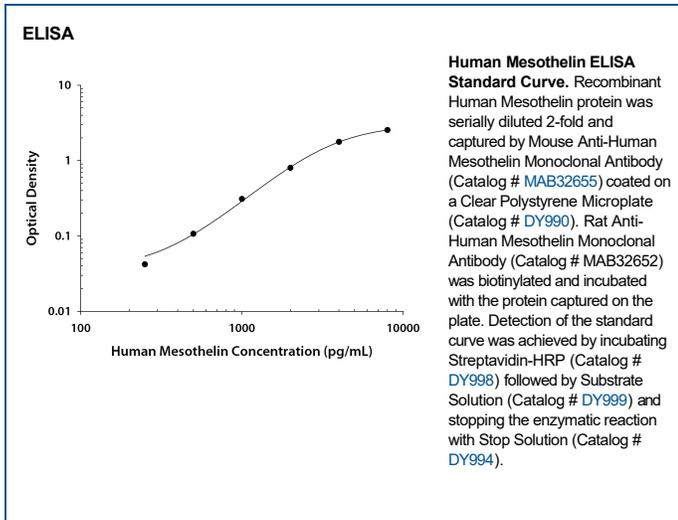
**APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>CytoF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
<b>Knockout Validated</b>	Mesothelin is specifically detected in HeLa human cervical epithelial carcinoma parental cell line but is not detectable in Mesothelin knockout HeLa cell line.	
<b>ELISA</b>	This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Mesothelin Monoclonal Antibody (Catalog # <a href="#">MAB32655</a> ).  <i>This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Mesothelin DuoSet ELISA Kit (Catalog # <a href="#">DY3265</a>) for convenient development of a sandwich ELISA or the Human Mesothelin Quantikine ELISA Kit (Catalog # <a href="#">DMSLN0</a>) for a complete optimized ELISA.</i>	

**DATA**





#### PREPARATION AND STORAGE

**Reconstitution** Reconstitute at 0.5 mg/mL in sterile PBS.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  
\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage** **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

#### BACKGROUND

Mesothelin is a 40 kDa glycosylphosphatidylinositol-anchored glycoprotein that is expressed on mesothelial cells in the pleura, pericardium and peritoneum and overexpressed in mesotheliomas and ovarian or pancreatic adenocarcinoma. Mesothelin is a product of the CAK-1 gene, which also encodes megakaryocyte-potentiating factor (MPF). Mature human mesothelin shares 60% amino acid identity with either mouse or rat mesothelin. Two variant forms exist; variant 1 has an eight amino acid (1 kDa) insertion and is rarely expressed, while variant 2 is a truncated form secreted in the majority of ovarian cancers but rarely found in normal individuals.