

Product Information Sheet for Monoclonal Antibodies



Item Name	MUC-1 Antigen Monoclonal Antibody, HP	Prod. Code:	2250-8215
Clone ID	Purified	Optional Description:	Clone #6A4 Murine Hybridoma
Source:	Mouse Ascites		

Specificity:

6A4 recognizes the core peptide sequence of the breast carcinoma associated mucin coded for by the MUC-1 gene. The minimal epitope that 6A4 binds is the eight amino acid sequence SAPDTRPA within the 20 amino acid tandem repeating sequence of the mucin core.

	<u>Method Used:</u>	<u>Acceptable Result:</u>
Product Concentration:	OD280/1.4	2-5 mg/ml mg/ml

Product Characterization:

% Purity:	SDS Page Gel	≥95% by PAGE
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Total Protein:	OD280	2.8-7 OD Units
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Buffer Matrix & pH: PBS Buffer with 0.1% NaN₃, pH =7.4±0.2

Filtration: 0.2u

Optimum Storage Conditions: Short term : 4°C Long term: -20°C

Shelf Life: TBD (stored at recommended long term temperature)

Other Specifications:

Immunogen: Synthetic MUC-1 peptide, KLH conjugate

Uses*: Uses: *See Below

Isotype: IgG1

Fusion Partner: FO

Spleen Donor: Balb/cj

Purification Method: Protein A

Isoelectric Point: 6.6

***Uses:** Immunoassay, reactive on Western Blot to both cell culture and human fluid derived antigens (2250-2300 or 2250-1300), IHC positive for breast tumor in frozen and paraffin sections.

***Use Statement:**

-For use in research or remanufacture of non-injectable products not subject to license under PHS Act Sec. 351 only.