

Datasheet for ABIN335355
anti-MUC1 antibody



[Go to Product page](#)

3 Publications

Overview

Quantity:	0.1 mg
Target:	MUC1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	GP1.4 is a mouse monoclonal IgG1 antibody derived by fusion of mouse myeloma cells with spleen cells from a mouse immunized with human milk fat globule.
Clone:	GP1-4
Isotype:	IgG1
Specificity:	Human.
Purification:	Prepared from rabbit serum by affinity purification on a column made with the peptide antigen.

Target Details

Target:	MUC1
Alternative Name:	Episialin (MUC1 Products)

Target Details

Background: Episialin is also known as MUC1, MAM-6, CA 15-3, PEM and EMA. It is a transmembrane glycoprotein with a large mucin-like extracellular domain that matures through several intermediate forms generated by proteolysis, and sequential addition and processing of numerous O-linked glycans that are heavily sialylated. The gene encoding episialin (MUC1) is highly polymorphic and each allele encodes a product that contains a different number of repeats (between 30 and 90) leading to large differences in molecular weight of the protein. Episialin is present in several secretory epithelial cell types

Pathways: [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: GP1.4 reacts with all glycoforms of Episialin. APPLICATIONS GP1.4 is suitable for immunoblotting, immunocytochemistry and immunohistochemistry on frozen and paraffin-embedded tissues, and flow cytometry. Optimal antibody dilution should be determined by titration, recommended range is 1:25 - 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

Restrictions: For Research Use only

Handling

Storage: 4 °C

Publications

Product cited in: Norum, Sauren, Rye, Nustad: "New immunoassays for MUC1 in breast cancer." in: **Tumour biology**, Vol. 22, Issue 4, pp. 216-22, (2001) ([PubMed](#)).

Norum, Varaas, Kierulf, Nustad: "Carcinoma-associated MUC1 detected by immunoradiometric assays." in: **Tumour biology**, Vol. 19 Suppl 1, pp. 134-46, (1998) ([PubMed](#)).

Gourevitch, von Mensdorff-Pouilly, Litvinov, Kenemans, van Kamp, Verstraeten, Hilgers: "Polymorphic epithelial mucin (MUC-1)-containing circulating immune complexes in carcinoma patients." in: **British journal of cancer**, Vol. 72, Issue 4, pp. 934-8, (1995) ([PubMed](#)).