

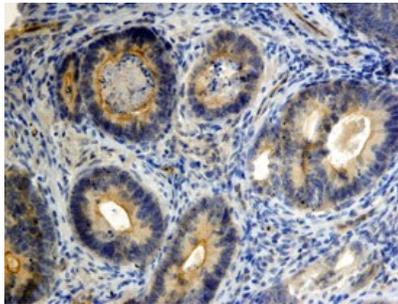
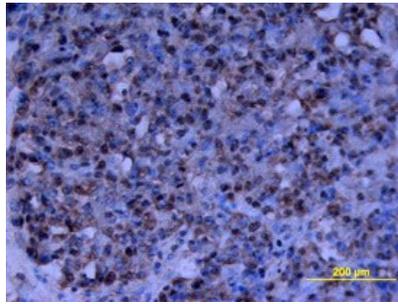
| DESCRIPTION | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human CD24 in direct ELISAs. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 528807 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant human CD24 Ser27-Gly59 (predicted) Accession # P25063 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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 |
|-----------------------------|---------------------------|-----------|
| Immunohistochemistry | 8-25 µg/mL | See Below |

DATA

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|---|--|
| <p>Immunohistochemistry</p>  <p>CD24 in Human Colon. CD24 was detected in immersion fixed paraffin-embedded sections of human colon using 15 µg/mL Human CD24 Monoclonal Antibody (Catalog # MAB5248) overnight at 4 °C. Tissue was stained with the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p> | <p>Immunohistochemistry</p>  <p>CD24 in Human Ovarian Cancer Tissue. CD24 was detected in immersion fixed paraffin-embedded sections of human ovarian cancer tissue using Human CD24 Monoclonal Antibody (Catalog # MAB5248) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p> |
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PREPARATION AND STORAGE

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|--------------------------------|---|
| 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 | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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

CD24, also known as heat stable antigen (HSA), is a heavily and variably glycosylated 35-60 kDa GPI-linked sialoprotein that is expressed on B cells, T cells, keratinocytes, and myofiber synaptic nuclei and is up-regulated in a wide variety of cancers. It is also a marker for exosomes released into the urine and amniotic fluid. CD24 binds to P-Selectin on activated platelets and vascular endothelial cells. CD24 ligation induces tumor cell apoptosis and is important for the deletion of autoreactive T cells. Mature human CD24 shares 30% and 42% aa sequence identity with mouse and rat CD24, respectively.