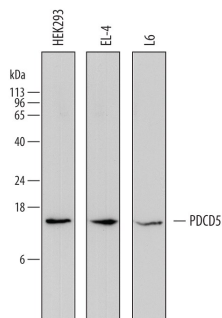
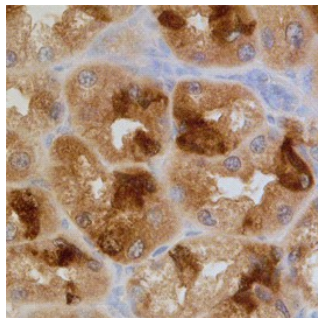


DESCRIPTION	
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human PDCD5 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human PDCD6 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 728906
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PDCD5 Ala2-Tyr125 Accession # O14737
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. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.	

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	See Below

DATA	
<p>Western Blot</p>  <p>Detection of Human, Mouse, and Rat PDCD5 by Western Blot. Western blot shows lysates of HEK293 human embryonic kidney cell line, EL-4 mouse lymphoblast cell line, and L6 rat myoblast cell line. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human/Mouse/Rat PDCD5 Polyclonal Antibody (Catalog # MAB7325) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for PDCD5 at approximately 15 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunohistochemistry</p>  <p>PDCD5 in Human Stomach. PDCD5 was detected in immersion fixed paraffin-embedded sections of human stomach using Mouse Anti-Human/Mouse/Rat PDCD5 Monoclonal Antibody (Catalog # MAB7325) at 15 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm of epithelial cells in gastric glands. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>

PREPARATION AND STORAGE	
Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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. <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

PDCD5 (programmed cell death 5), also called TFAR19 (TF-1 cell apoptosis-related 19) is a ubiquitously expressed, approximately 15 kDa protein that is upregulated during apoptosis and downregulated in many cancer cell types. Of its 124 amino acids (aa), 44 are acidic or basic. PDCD5 also contains two acetylated aa and one constitutively phosphorylated aa, S119, which is involved in promoting apoptosis. Human PDCD5 shares 95% and 96% aa sequence identity with mouse and rat PDCD5, respectively.