CD Creative Diagnostics®

Rabbit Anti-Human CD274 Polyclonal Antibody (CPBT-30856GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal to CD274.
Specificity	The antibody detects endogenous CD274 .
Target	CD274
Immunogen	Synthetic peptide from human CD274 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	This antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Liquid
Concentration	Lot specific
Size	100 μl, 200 μl
Buffer	PBS containing 50% glycerol and 0.5% BSA
Preservative	0.02% Sodium Azide

Storage	Store at -20°C, and avoid repeat freeze-thaw cycles.

BACKGROUND

Introduction	This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.
Keywords	CD274;CD274 molecule;B7-H;B7H1;PDL1;PD-L1;PDCD1L1;PDCD1LG1;programmed cell death 1 ligand 1;B7 homolog 1;CD274 antigen;PDCD1 ligand 1;programmed death ligand 1;

GENE INFORMATION

Entrez Gene ID	29126
UniProt ID	Q9NZQ7