



Anti-CD80 polyclonal antibody (DPABY-315)

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

PRODUCT INFORMATION

Antigen Description	View B7-1 IHC images.
Specificity	Detects mouseB7-1/CD80 in ELISAs and Western blots. In Western blots, approximately 5% cross-reactivity with recombinant human (rh)B7-1 is observed and less than 1% cross-reactivity with rhB7-2 and recombinant mouse (rm)B7-2 is observed. In sandwich immunoassays, less than 0.6% cross-reactivity with recombinant rat B7-1 is observed and less than 0.1% cross-reactivity with rhB7-1, rhB7-H3, rmB7-2, rmB7-H1, rmB7-H2, rmB7-H3, and rmB7-H4 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse B7-1/CD80. Asp37-Lys245 Accession Number Q00609
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Flow Cytometry, Immunocytochemistry, ELISA Capture (Matched Pair), Neutralization
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	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.

GENE INFORMATION

Gene Name	Cd80 CD80 antigen [Mus musculus (house mouse)]
Official Symbol	CD80
Synonyms	CD80; CD80 antigen; B71; Ly53; TSA1; Cd28l; Ly-53; MIC17; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen;
Entrez Gene ID	12519
Protein Refseq	NP_033985
UniProt ID	Q00609
Chromosome Location	16 B5; 16 26.86 cM
Pathway	Adaptive Immune System; Allograft rejection; Autoimmune thyroid disease; CD28 co-stimulation; CD28 dependent PI3K/Akt signaling; CD28 dependent Vav1 pathway; CTLA4 inhibitory signaling; Cell adhesion molecules (CAMs);
Function	protein binding;