

Product datasheet for **EA200057**

Human B7-1 (CD80) ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human B7-1 (CD80) ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	0.313-20ng/ml
Sample Type:	Human serum, plasma, and cell culture supernates.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of CD80
Sensitivity:	0.058ng/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">• CD80 Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate• Human CD80 Standard (1000ng/ml) 0.1 mL• 100x Biotin conjugated CD80 Detection Antibody 0.12 mL• 100x SA-HRP Conjugate 0.12 mL• Assay Buffer 40 mL• Sample Diluent 30 mL• Wash Buffer Concentrate 20X 60 mL• TMB Substrate 12 mL• Stop Solution 12 mL• Plate Sealer 3 pieces



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Background:

The Cluster of differentiation 80 (also CD80 and B7-1) is a B7, type I membrane protein in the immunoglobulin superfamily. CD80 is the ligand for the proteins CD28 (for autoregulation and intercellular association) and CTLA-4 on the surface of various immune cells, including B-cells, monocytes, or T-cells, but most typically at antigen-presenting cells (APCs) such as dendritic cells. Another ligand of CD80 is programmed death-ligand 1 (PD-L1), expressed on the surface of T-cells, B-cells, DCs, and macrophages. This interaction is inhibiting and causes a reduction in T-cell activation as well as reduction of cytokine production. The up-regulation of CD80 has been linked to various autoimmune diseases, including multiple sclerosis, systemic lupus erythematosus and sepsis. CD80 is also linked to various cancers.

Gene Symbol:

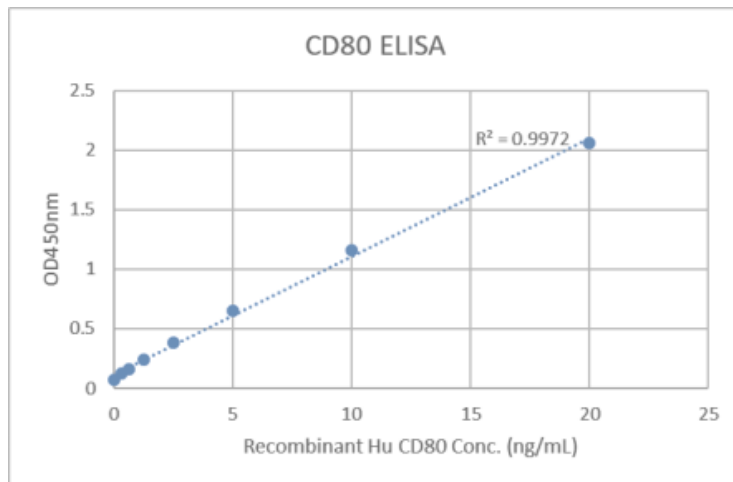
CD80

Gene ID:

941

Standard Curve:

□
Data image of Human B7-1 (CD80) ELISA Kit.

Product images:


Data image of Human B7-1 (CD80) ELISA Kit.