

Product Data Sheet

<input type="checkbox"/> Cat# 80011-SB	High binding ELISA Strips plates (8 wellsx12 strips) (non antigen coated, -ve control, preblocked), 5 plates/pk	Size: 5 plates/pk
<input type="checkbox"/> Cat# 80012	High binding ELISA Strips plates (8 wellsx12 strips)	Size: 5 plates/pk

Enzyme linked immunosorbent assay (ELISA) is one the most widely used technique to detect the presence or specific antigens or antibodies. One of the essential and most critical steps is the binding or coating of the specific proteins (antigens or antibodies) on the inner surface of the elisa plate or wells. This is typically done by incubation with the proteins at a desired concentration (up to 10 ug/ml; up to 200 ul/well). Incubations can be performed at room temperature or 4oC for specific time (hours to overnight). Excess of coating protein is removed and wells are briefly washed with a wash buffer and then remaining binding site on the plates are 'blocked' with a non-specific protein such as BSA or milk or gelatin based blocking buffers.



Coated plates, when stored in wet conditions or dry form, are generally not stable for an extended time (weeks to months). Most commercial companies used specially formulated 'coated antigen stabilizing buffers' that function to block the excess binding sites as well as stabilize the proteins for 12-months or more. Antigen stabilization is defined as the loss in antigen or antibody binding when stored at room temp or 4oC as

compared to freshly coated plates at a given concentration.

ELISA plates are available in low or high protein binding. The elisa plates also available in either 1 solid plate (8 wells x 12 rows) or 8-wells strips arranged on egg shell type holder frame that can hold 1 or 12 strips (strip plates).

Form and Storage

#80012- Unused, non-coated plates for ELISA

ADI uses 8x12 wells strips supplied with the holder frame in package of 5 plates (#80012). Store in a clean and dry place at room temp for up to 5 yrs.

#80011-SB- No antigen but blocked with stabilizing agents

ELISA plates #80012 does not contain any antigen but blocked with the stabilizing buffer (100 ul/well) and dried. This plate may serve as a negative control for 'antigen coated plates'. Typically, samples will be tested on both antigens coated and non-coated plates to determine if there is any specific binding to the plate or the buffer components used for blocking. #80011-SB can be used for almost all of the ELISA kits that ADI supplies. The plates (8 wells x 12 strips, with holder) are supplied individually packed in sealed pouches (5 plates per pk). Store in a dry place 2-8oC. Stable for 1 year.

Recommended usage

#80011-SB- No antigen plates should be used similar to the antigen coated plate.

Specifications

Qty./Pk	1
Plate Format:	96 Well
Plate Feature:	Standard
Plate Color:	Clear
Well Bottom:	Flat
Well Bottom Color:	Clear
Well Shape:	Round
Well Volume:	360 µL
Recommended Working Volume:	75-200 µL
Surface Treatment:	High Bind
Sterile:	No
Lids Included:	No

For in vitro research use only.

Catalog#	ProdDescription
80050	ELISA Plate Coating buffer concentrate pH 7.4 (10X)
80051	ELISA Plate Coating buffer concentrate pH 9.6 (10X)
80060	ELISA Plate Blocking Buffer concentrate (10X) BSA-based
80061	ELISA Plate Blocking Buffer concentrate (10X) Gelatin-based (translucent formulation)
80062	ELISA Plate Blocking Buffer concentrate (10X) milk-based
80063	ELISA Plate Blocking Buffer concentrate (10X) milk-based (translucent formulation)
80064	Antigen blocking and stabilizing buffer for ELISA plates (bovine protein formulation) (for 10-20 plates)
80065	Antigen blocking and stabilizing buffer for ELISA plates (non-bovine protein formulation) (for 10-20 plates)
80070	Antibody and Conjugate Diluent for ELISA concentrate (10X)
80071	Whole egg yolk (IgY) sample/Conjugate Diluent (Green) for ELISA (antibody assay) concentrate (10X)
80080	Wash buffer concentrate (20X) for ELISA
80081	Phosphate Buffered Saline (PBS, pH 7.4) concentrate (20X)
80081-K	Wash buffer Conc. (100X) for ELISA Kits (makes 10L)
80082	Tris Buffered Saline (TBS, pH 7.4) concentrate (10X, 100 mM Tris/150mM NaCl final)
80083	Tris Buffered Saline (TBS, pH 7.4) concentrate (10X, 50 mM Tris/150mM NaCl final)
80083-K	Tris Buffer KCl (TBK, pH 7.4) concentrate (10X, 50 mM Tris, pH 7.4, 150 mM NaCl, 5 mM KCl final)
80083-W	Tris Buffered Saline (TB, pH 7.4) concentrate (10X, 50 mM Tris, pH 7.4 final)
80091	TMB substrate (1-component) for ELISA
80092	TMB substrate (1-component) for ELISA (high sensitivity)

80011-SB-No-antigen-coated-control-elisa-plate

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