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Lot number	ltem		/0096
	Anti-Xc antibody		0.200 ml
	Alkaline phosphatase en	zyme conjugate	0.200 ml
<u> </u>	BCIP substrate solution		40 ml
	Positive control (if availa	ble)	1
	The above items should	be stored at 4°C	
	Immunoblot membrane		1
	Dot blot bags		4
<u> </u>	Plastic wash container		1
	PBST wash buffer, 20X	concentrate, 50 ml	2
	Nonfat dried milk		5 g
	The above items should	be stored at room temperature	
Storage		Store all components at the record life. Do not store prepared 1X but	mmended temperature to assure their full shelf uffers from day to day.
Safety		Prevent direct skin and eye conta Obtain medical attention in case Always wash hands thoroughly a	act with, or ingestion of, product components. of accidental ingestion of kit components. fter using this product.
		If you have any questions about	this product, please contact Agdia.
Preparing for the test		Note: Always wear latex gloves when handling the membrane.	
		Prepare 1X PBST buffer by diluti instructions. Agdia recommends needed for one day.	ng 20X PBST buffer according to package preparing only as much 1X PBST buffer as is
		Reconstitute lyophilized controls the controls are reconstituted the household freezer). Do not thaw	by adding 2 ml of distilled water to the vial. Once by must be stored frozen (-20° C freezer or until just before use.
		The wash container included in the membrane. To process the entire suitable to allow the membrane to When using the provided containe to proceeding with the blocking s	his kit is large enough to process half of the total e membrane, you will need to obtain a container o lay flat with a small margin for processing. er, the membrane will need to be cut in half prior tep.
		Otherwise, remove the number o membrane prior to performing the	f columns you plan to process from the e assay.
Spot sap a	and air dry	To begin the test, spot 3 µl of und membrane. For your reference,	diluted plant sap onto each spot on the record the locations of samples and controls.
		If available, spot 3 µl of positive of Be sure to include controls on pa processed. Label membrane sec proper sample identification after	control and negative control onto individual spots. Irtial membranes that will be individually ctions using a permanent marker to ensure processing.
		Allow the membrane to air dry for completely dry before continuing	r 10 minutes. Make sure the membrane is

Boil membrane	Submerge the membrane section in boiling water for 10 minutes	
Prepare blocking solution	Prepare enough blocking solution to sufficiently cover the membrane. Half of a membrane will require about 5 ml of blocking solution, while an entire membrane will require about 10 ml of blocking solution.	
	Blocking solution consists of 2% nonfat dry milk in 1X PBST.	
	For example, if you are preparing 5 ml of blocking solution, you will need to mix 0.10 g of nonfat dry milk with 5 ml of 1X PBST buffer.	
Add antibody	Place membrane and blocking solution in a dot blot bag.	
	Add anti-Xc antibody according to the dilution on the label.	
	For example, if you are using 5 ml of blocking solution, a dilution of 1:200 would require 25µl of anti-Xc antibody. Remove any air bubbles and seal the bag. Be sure that the membrane is flat and completely covered with solution while incubating.	
Incubate membrane	Incubate on an orbital shaker at 150 rpm at room temperature for 45 minutes.	
Wash membrane	Place the membrane in the wash container and wash 5 times for 2 minutes each with 1X PBST at room temperature.	
Add enzyme conjugate	Place the membrane section in a fresh dot blot bag with the same volume of fresh blocking solution used before. Add enzyme conjugate according to the dilution on the label, then remove any air bubbles and seal the bag.	
	Remove the BCIP substrate solution from the refrigerator and allow it to warm to room temperature.	
Incubate membrane	Incubate on an orbital shaker at 150 rpm at room temperature for 45 minutes.	
Wash membrane	Place the sectioned membrane in the wash container and wash 5 times for 2 minutes each with 1X PBST at room temperature.	
Add substrate	Pour 10 ml of the BCIP substrate solution over the membrane in the wash container. Protect the membrane from direct light while processing in the substrate solution.	
	Be sure the membrane is constantly submerged in BCIP substrate. Rock the container occasionally to distribute the substrate solution over the membrane.	
	Allow color to develop at room temperature for about 5-10 minutes, until the positive control is visibly colored.	
Stop reaction	Stop reaction by washing the membrane with distilled water.	
Interpret results	A purple spot or ring indicates a positive result. Be sure to check both sides of the membrane for the purple ring or spot.	