SITVue™

Three Step DAB Detection System

SPEED MATTERS
RESULT IN 30 min

Anti Mouse/Rabbit SITVue™ HRP/DAB Detection System

SITVue™/DAB Detection System is a powerful Intensification system that significantly enhances chromogenic signals. This system can be integrated into standard immunohistochemistry (IHC) staining methods.

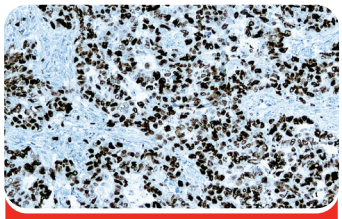
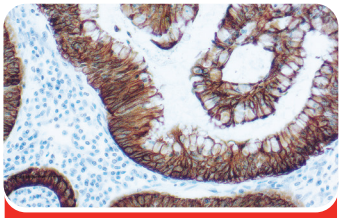
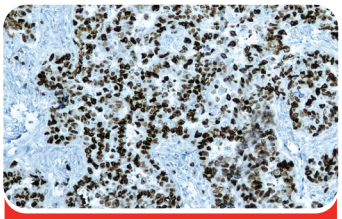
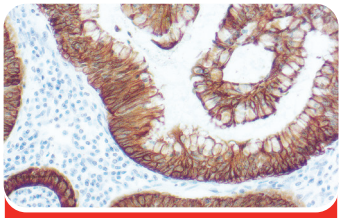
SITVue™/DAB Detection System is an enzyme-mediated reaction that utilizes horseradish peroxidase (HRP) to catalyze the deposition of two separate Linkers applies sequentially onto tissue sections or cell preparation. The deposited Linkers can be detected with a streptavidin-peroxidase conjugate followed by a reaction with a peroxidase substrate/chromogen solution such as diaminobenzidine (DAB).

The SITVue™/DAB Detection system results in a significant increase in sensitivity compared to standard IHC detection methods, while maintaining similar specificity.

FAST
Results in 30min

DEPENDABLE/ CONSISTENCY
Optimized for use with Diagnostic BioSystems Concentrated or Ready to Use IHC antibodies

RELIABLE
Significant increase in staining intensity

SITVue™ /DAB Detection System		Two Steps Detection System	
			
Ki67	Cytokeratin Pan	Ki67	Cytokeratin Pan

Ordering Information

#	Cat. No	Volume
1	SIT-1000D	1000 Tests
2	SIT-100D	100 Tests

Diagnostic BioSystems

SITVue™

Three Step DAB Detection System

Step	Staining Procedure	Two Steps Detection system Incubation Time	SITVue™ /DAB Detection System Incubation Time
Peroxidase Block	A. Incubate slides in Peroxidase Block.	5 min.	1min.
	B. Rinse slides with Immuno Wash Buffer three (3) times, for 1 min. each time.	3 x 1 min.	
Pre-Blocking (optional)	A. Add 2 drops (100 µL) or enough volume of Pre-Blocking Solution to cover the tissue section.	10 min.	N/A
	B. Drain or blot off solution. Do not rinse.		
Primary Antibody	A. Incubate with Primary Antibody, prepared according to the manufacturer's recommended protocol at the desired concentration. Concentrated Primary Antibodies may be diluted using Primary Antibody Diluent.	30 – 60 min.	5 min.
	B. Wash slides with 3 changes of Immuno Wash Buffer.	3 x 1 min.	3 x 10 second.
Linker 1	A. Apply the Linker 1 and incubate.	10 min.	5 min.
	B. Rinse slides with 3 changes of Immuno Wash Buffer.	3 x 1 min.	3 x 10 second.
Linker 2	A. Incubate the tissue with Linker 2.	N/A	5 min.
	B. Wash slides with 3 changes of Immuno Wash Buffer.		3 x 10 second.
Tracer	A. Incubate the tissue with Tracer.	10 min.	5 min.
	B. Wash slides with 3 changes of Immuno Wash Buffer.	3 x 1 min.	3 x 10 second.
Stable DAB/ Plus	A. Prepare the Stable DAB/Plus substrate working solution (see above).		
	B. Incubate tissue with prepared Stable DAB/Plus substrate solution. Monitor level of staining to determine optimal time of incubation.	5 – 10 min.	5 min.
	C. Rinse slides with 3 changes of water.	3 x 1 min.	3 x 10 second.
Counterstain	A. Incubate tissue with Counterstain (Hematoxylin K097), according to manufacturer's recommendation or standard laboratory protocol.	~1 min.	~1 min.
	B. Wash slides with water 3 times, followed by 1 time in Immuno Wash Buffer, then 1 time in water.	3 x 1 min. H20 1 x 1 min. Buffer 1 x 1 min. H20	3 x 10 second. H20 1 x 10 second. Buffer 1 x 10second. H20
Total staining time		**90-125 min**	**<30 min**
Dehydrate & Coverslip	A. Dehydrate tissues through graded ethanol series, followed by xylene series. B. Apply coverslips with permanent mounting medium.		

Diagnostic BioSystems

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