DAB Immuno-Staining For CD-31 (Pharmingen #01951D rat anti-mouse CD-31

ΡI	ROCEDURE:	Tissues in	nmersion	fixed in Zi	nc or neutra	l buffered	formalin o/n
@	4C, processed	through	graded al	cohols and	embedded in	n paraffin.	Cut sections
@	5μ	_	_			-	

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	Deparafinize slides Xylene 2x 5 min						
 2. 3. 4. 	Staining: DAY #1 5 minutes RT Proteinase K digestion (DAKO Proteinase K in 15mM NaN ₃ Cat#S3020) PBS wash 3 x 3 minutes Using PAP pen, "draw" around sections carefully Block section in Blocking buffer (5% normal goat serum, 2.5% BSA, 1X PBS) for 30-45 min in humidified chamber @ RT (use about 150-200ul/section) Aspirate block Apply Primary antibody 1:75 (diluted in 0.5X blocking buffer) to section. Incubate in humidified chamber at 4C over night. (Lot # used)						
6. 7. 8.	Aspirate antibody PBS wash 3x 3min. Block slide in Blocking buffer (as in step 2) for 5-10 min. @ RT Apply biotinylated secondary goat anti-rat (Pierce #31831) at ~1:200 (dilute in 0.5X block buffer) to sections for 30-45 min. @ RT in humidified chamber. (Lot # used)						
	*Make up ABC-Elite (for brown staining) according to manufacturer's specifications (2 drops ABC-A in 5 ml 0.5M NaCl, vortex, 2 drops ABC-b, vortex, let sit 30 minutes). (Alternatively, for RED staining, use ABC-AP from Vector made up according to their instructions						
11. 12. 13. 14. 15. 16. 17.	PBS 2 x 3 min. Block endogenous peroxidase activity: 250 ml MeOH + 5 ml 30% H ₂ O ₂ 20 minutes @ RT. [Alternatively, block endog AP in 5% H2O2 in PBS without Methanol[different tissues react differentially to the methanol]) PBS 3x3 min Apply ABC to sections and cover in humidified chamber at RT for 30 min. Wash slides in 0.1 M Tris pH 7.4 3 3 x 3 min. Apply DAB (or AP substrate made up with Levamisol) to sections and monitor time of development Wash in H ₂ 0 briefly x2 Counterstain in 1% Methyl green ~1min 15sec Dehydrate 100% isobutanol 20 dips 100% isobutanol 2x 2 min Xylene 2x 2 min Cover section while moist with Cytoseal #60						