

**S1 Table. mAbs used to stain cells for melanoma phenotype.**

Antibody	Antigen	Antigen specimen	Antibody Characterization									
			WB	IP	IHC	IF	FACS	ELISA	FB	FFPE	Epitope	MA
CPTC-MageA4-3 (DSHB)	Melanoma Antigen Family A, 4	human	+			t.s.			+			
CPTC-S100A4-1 (DSHB)	S100 calcium binding protein A2	human	+				t.s.			+		
CP28 (Calbiochem(AS02)	anti-fibroblast/ CD90/Thy-1	human	+	+	+	+	+	+				
HMB45 (Dako)	Pme117	human	-		+	+						

\*ts, this study