

Supplemental Table S1. List of primary antibodies used for identifying mucosal mononuclear and epithelial cells in rhesus macaques by flow cytometry and immunohistochemistry staining

Antibody	Isotype	Clone	Assay	Working Dilution/ amount	Source
Anti-cow Cytokeratin, Wide Spectrum Screening	Rabbit polyclonal IgG	-	IF	1:500	Dako
Anti-human CD3	Mouse IgG1	SP34.2	FC	5µl	BD Biosciences
Anti-human CD3	Rabbit polyclonal	-	IF	1:100	Biocare Medical
Anti-human CD11c	Mouse IgG1	3.9	IF	1:50	Biolegend
Anti-human CD4	Mouse IgG1	L200	FC	3 µl	BD Biosciences
Anti-human CD8	Mouse IgG2a	3B5	FC	3 µl	Invitrogen
Anti-human CD14	Mouse IgG2a	M5E2	FC	5 µl	Biolegend
Anti-human CD20	Mouse IgG2b	2H7	FC	2 µl	Biolegend
Anti-NHP CD45	Mouse IgG1	D058-1283	FC	5 µl	BD Biosciences
Anti-human CD68	Mouse IgG1	KP1	FC, IF	5 µl, 1:50	Santa Cruz Biotechnology
Anti-human CD79a	Mouse IgG1	HM47	IF	1:100	BD Biosciences
Anti-human CD159a (NKG2A)	Mouse IgG2b	Z199	FC	5 µl	Beckman Coulter
Anti-human CD163	Mouse IgG1	GHI/61	FC	5 µl	Biolegend
Anti-human IL-10	Rat IgG1	JES3-9D7	FC	5 µl	Biolegend
Anti-human Smad7	Mouse IgG2a	Z8-B	IF	1:50	Santa Cruz Biotechnology
Anti-human TGF-β1	Mouse IgG1	TB21	IHC	1:100	Santa Cruz Biotechnology
Anti-human TGF-β1	Mouse IgG1	9016	FC	10 µl	R&D Systems
Anti-human TGF-βRII	Goat IgG	-	FC, IF	10 µl, 1:100	R&D Systems
Anti-human macrophage	Mouse IgM	HAM56	IF	1:50	Enzo
Anti-human myeloid/histiocyte antigen	Mouse IgG1	MAC387	IF	1:100	Dako
pSMAD2/3	Rabbit polyclonal	-	IF	1:50	Santa Cruz Biotechnology
Mouse IgG1 kappa isotype control	Mouse IgG1		IHC, IF	1:100	Invitrogen
Mouse IgG2a	Mouse IgG2a		IF	1:50	Invitrogen
Normal mouse IgM	Mouse IgM		IF	1:50	Santa Cruz Biotechnology
Normal Goat IgG	Goat IgG		IF	1:100	R&D Systems
Normal Rabbit IgG control	Rabbit IgG		IF	1:100	R&D Systems

Note: Before all staining, the dilution of the respective antibodies was determined after serial dilution experiment.
FC, IF and IHC denote flow cytometry, immunofluorescence and immunohistochemistry, respectively.