

## **Antibody Subclasses**

## **Species Reactivity**

### **Oxidative Stress Markers:**

|                                            |           |
|--------------------------------------------|-----------|
| rCaspase 3 (R&D systems, AF835)            | my, h     |
| msCD62P ak-6(abcam, ab6632)                | my, h     |
| msCML (TransGenic, KH024)                  | my, h     |
| rCytochrome C 136F3 (Cell Signaling, 4280) | h         |
| msGP91-phox (BD labs, 611414)              | my, h     |
| rHNE (alpha diagnostics, HNE11-s)          | my, h     |
| msHSP27 G31 (Cell Signaling, )             | h         |
| riNOS (abcam, ab3523)                      | my, h     |
| msMitochondria MTC02 (Novus, NB600-556)    | h         |
| rMyeloperoxidase (abcam, ab9535)           | my, h, rt |
| rNitrotyrosine (Milipore, AB5411)          | my, h     |
| rP22-phox (Santa Cruz, sc-20781)           | my, h     |
| msP47-phox (Santa Cruz, sc-17844)          | my, h     |
| rPhospho-P44/42 (Cell Signaling, )         | h         |
| rPhospho-SAPK (Cell Signaling, )           | h         |

### **CD (Cluster of Differentiation) Markers:**

|                                            |               |
|--------------------------------------------|---------------|
| rCD3 (Dako, A0452)                         | my, h, ms (f) |
| rCD3 e272(Biocrine, CME324)                | my, h         |
| msCD4 (Biocrine, CM153)                    | my, h         |
| msCD4 (Abd Serotec, MCA180j3T)             | my, h         |
| rtCD4 l3t4 (BD Pharm, 550278)              | ms (f)        |
| rtCD8a (BD Pharm, 550281)                  | ms (f)        |
| msCD8 (Biocrine, CM154)                    | my, h         |
| rCD8 (Biocrine, CRM311)                    | my, h         |
| msCD16 (Abd Serotec, MCA1816)              | h             |
| msCD19 (Biocrine, CM310)                   | h             |
| msCD20 (BD Pharmingen, 555677)             | h             |
| msCD209/DC-sign (BD Pharmingen, 551249)    | h             |
| msCD1a (Biocrine, CM034)                   | h             |
| gtCD31 Pecam-1 (Santa Cruz, sc-1506)       | my, h, d      |
| msCD34 ( )                                 | h             |
| rtCD34 (abcam, ab8158)                     | ms (FFPE)     |
| msCD45 LCA (Biocrine, CM016)               | my, h         |
| rPTPRC LCA (ATLAS, HPA000440)              | h             |
| rCD54 ICAM-1 bio (abcam, ab7815)           | my (weak)     |
| rCD54 ICAM-1 (U.S. Biologicals, C2409-47F) | my (f), h     |
| msCD62P ak-6(abcam, ab6632)                | my, h         |
| msCD68 (Dako, M0814)                       | my, h         |
| msCD68 (AbD serotec, MCA341R)              | rt            |
| rtF4/80 BM8 (eBioscience, 14-4801-82)      | ms (FFPE & f) |

rtF4/80 bio (AbD serotec, MCA497BB)  
rtLy6g RB6-8C5 (eBioscience, 14-5931-85)

ms (FFPE & f)  
ms (FFPE & f)

### **Epithelial Cell Markers:**

msE-cadherin (BD Transduction Lab, 610181)  
mono rE-Cadherin (Cell Signaling, #3195)  
msPancytokeratin AE1/AE3 (Dako, M3515)

h, rt  
h, ms  
my, h, r, d

### **Endothelial Cell Markers:**

rICAM-1 bio CD54(abcam, ab7815)  
rICAM-1 CD54 (U.S. Biologicals, C2409-47F)  
gPecam-1 CD31(Santa Cruz, sc-1506)  
msTissue Factor (American Diagnostics, 4509)  
rVCAM-1CD106(Santa Cruz, sc-13160)  
rVonWillebrand Factor (dako, A0082)

my (weak)  
my (f), h  
my, h, d  
my, h  
my(f), h  
my, h, d

### **Cell proliferation/Cell Cycle Markers:**

rCytochrome C 136F3 (Cell Signaling, 4280)  
rtFoxp3 fjk-16a (eBioscience, 14-5773-82)  
msKi67 (invitrogen, 18-0192)  
rKi67 (abcam, ab833)  
mono rKi67 (Neomarkers, RM-9106, SP6)  
msMitochondria MTC02 (Novus, NB600-556)  
rP21 c-19 (Santa Cruz, sc-397)  
rP27 kip1 (Novus Biologicals, NB100-1949)  
rP504S (Biocare, CP200)  
rPhospho-P44/42 (Cell Signaling, )  
rPhospho-SAPK (Cell Signaling, )  
rPhospho-Histone H2A.x

h  
ms (fr)  
my, h, r  
my, h, d  
ms, h  
h  
h  
h  
ms, h  
h  
h  
ms (FFPE)

### **Cytokines/Chemokines/Hormones/Secretions:**

msAmylase g-10 (Santa Cruz, sc-46657)  
msBaffR 11c1 (abcam, ab16232)  
gBaff/blys (R&D systems, AF124)  
rCXCR3 (ATLAS, HPA003189)  
gEotaxin (Santa Cruz, sc-12253)  
rGlucagon (Dako, A0565)  
rIL-8 (Invitrogen, ACH0881)  
rtIL-10 (BD Pharm, 559063)  
gIL-17 c-20 (Santa Cruz, sc-6076)  
gIL-17 E-19 (Santa Cruz, sc-6077)  
gIL-17RD (R&D Systems, AF2276)  
msIndoleamine 2 (Chemicon, MAB5412)

h  
h  
h  
h  
h  
my, h  
my, h  
ms (f)  
ms (f)  
ms (f)  
ms (FFPE & f)  
my, h

|                                              |                  |
|----------------------------------------------|------------------|
| rtIFN-gamma xmg1.2 (Biolegend, 505802)       | ms (f)           |
| pInsulin (Sigma Aldrich, I8510)              | my, h, rt, ms, d |
| gLAP(TGFbeta 1) (R&D Systems, AB246)         | ms (f)           |
| msTB21 (Biosource,                           | my, h            |
| gIP-10 (R&D systems, BAF266)                 | h                |
| msTissue Factor (American Diagnostics, 4509) | my, h            |
| rTrypsinogen (Rockland, 200-4180)            | h                |

### **Extracellular Matrix:**

|                                                        |           |
|--------------------------------------------------------|-----------|
| gCollagen I (Chemicon, )                               | ms, h     |
| rCollagen IV (Rockland, 600-401-106)                   | ms, h     |
| rCollagen V (Biodesign, T40211R)                       | h         |
| rCollagen V (lifespan, LS-C18874)                      | ms, h     |
| rCollagen V (chemicon, AB763P)                         | h         |
| rFibronectin (abcam, ab2413)                           | h         |
| msαSmooth Muscle Actin (Sigma, A2547)                  | h, my, ms |
| raSmooth Muscle Actin (Novus Biologicals, NB110-55432) | h, ms     |
| msTenascin B324.1 (Novus Biologicals, NB110-2274)      | h         |

### **Other:**

|                                                    |             |
|----------------------------------------------------|-------------|
| ms Alpha Actinin                                   | h, ms, rt   |
| rConnexin 43                                       | h, ms, rt   |
| rCpro                                              | h, ms, rt   |
| gC3d (R&D Systems, AF2655)                         | ms (f)      |
| rC4d (American Research Products, 12-5000)         | my, h       |
| msCMV-1 DDG9/CCH2 (Cell Marque, CMC401)            | my, h       |
| rFluorescein/Oregon green-HRP (invitrogen, A21253) | my, rt      |
| gGFP (abcam, ab6673)                               | all species |
| rGLP1 (abcam, ab22625)                             | h, d        |
| msHSA OCH1E5(Dako, M7158)                          | my, h       |
| msS100 (biocare, CM128)                            | my, h, d, r |
| msSV40 antigen (Calbiochem, DP02)                  | my, h       |
| rTroponin T (abcam, ab10224)                       | ms(f)       |
| msTroponin T (abcam, ab8295, 1c11)                 | ms(f)       |
| msTTF-1 (abcam, ab3186)                            | ms (f), h   |

Key:

r.....rabbit polyclonal

ms.....mouse monoclonal

g.....goat polyclonal

rt.....rat monoclonal

p.....pig

my.....monkey

d.....dog

\*Note: Antibodies are known to work on FFPE tissue sections unless otherwise specified as frozen (f).