Pig: *Sus scrofa* CD206 (NP_001242898)
Human: *Homo sapiens* CD206 (CAH71176)

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Pig     1     MRLSPCLAFLSFLPVALQLLDTRQFLIYNEDHKRCVEALSPSSVQTAVCNQDNEAQKFRW  60
              MRL   L F S +P A+ LLDTRQFLIYNEDHKRCV+A+SPS+VQTA CNQD E+QKFRW
Human   1     MRLPLLLVFASVIPGAVLLLDTRQFLIYNEDHKRCVDAVSPSAVQTAACNQDAESQKFRW  60

Pig     61    VSESQIMSVAFKLCLGVPSKTDWVPVTLYACDSKSEFQKWECRNDTLLGIKGEDIFFNYG  120
              VSESQIMSVAFKLCLGVPSKTDWV +TLYACDSKSEFQKWEC+NDTLLGIKGED+FFNYG
Human   61    VSESQIMSVAFKLCLGVPSKTDWVAITLYACDSKSEFQKWECKNDTLLGIKGEDLFFNYG  120

Pig     121   NRQEKNIMLYKGSGLWSRWKVYGTTDDLCSRGYEAMYTLLGNSNGATCAFPFKFENKWYA  180
              NRQEKNIMLYKGSGLWSRWK+YGTTD+LCSRGYEAMYTLLGN+NGATCAFPFKFENKWYA
Human   121   NRQEKNIMLYKGSGLWSRWKIYGTTDNLCSRGYEAMYTLLGNANGATCAFPFKFENKWYA  180

Pig     181   DCTTAGRSDGWLWCGTTTDYDTDKLFGYCPLKFEGIERLWNKDPLTSISYQINSKSALTW  240
              DCT+AGRSDGWLWCGTTTDYDTDKLFGYCPLKFEG E LWNKDPLTS+SYQINSKSALTW
Human   181   DCTSAGRSDGWLWCGTTTDYDTDKLFGYCPLKFEGSESLWNKDPLTSVSYQINSKSALTW  240

Pig     241   HQARKSCQQQNAELLSITEIHEQTYLTGLTSSLTSGLWIGLNSLSFNSGWQWSGGSPFRY  300
              HQARKSCQQQNAELLSITEIHEQTYLTGLTSSLTSGLWIGLNSLSFNSGWQWS  SPFRY
Human   241   HQARKSCQQQNAELLSITEIHEQTYLTGLTSSLTSGLWIGLNSLSFNSGWQWSDRSPFRY  300

Pig     301   LNWLPGSPSAEPGKSCVSLNPGKNAKWENLQCVQKLGYICKKGNTTLNSFVIPSESDVPT  360
              LNWLPGSPSAEPGKSCVSLNPGKNAKWENL+CVQKLGYICKKGNTTLNSFVIPSESDVPT
Human   301   LNWLPGSPSAEPGKSCVSLNPGKNAKWENLECVQKLGYICKKGNTTLNSFVIPSESDVPT  360

Pig     361   SCPSQWWPYAGHCYKIYREEKKIQRDALTACRKEGGDLASIHSIEEFDFIISQLGYEPND  420
               CPSQWWPYAGHCYKI+R+EKKIQRDALT CRKEG DLASIH+IEEFDFIISQLGYEPND
Human   361   HCPSQWWPYAGHCYKIHRDEKKIQRDALTTCRKEGSDLASIHTIEEFDFIISQLGYEPND  420

Pig     421   ELWIGLNDIKIQMYFEWSDGTPVTFTKWLPGEPSHENNRQEDCAVMKGKDGYWADRACER  480
              ELWIGLNDIKIQMYFEWSDGTPVTFTKWL GEPSHENNRQEDC VMKGKDGYWADR CE
Human   421   ELWIGLNDIKIQMYFEWSDGTPVTFTKWLRGEPSHENNRQEDCVVMKGKDGYWADRGCEW  480

Pig     481   PLGYICKMKSQAQTPGRVEVETGCRKGWKRHGFYCYLIGHTLSTFAEANQTCENEKAYLT  540
              PLGYICKMKS++Q P  VEVE GCRKGWK+H FYCY+IGHTLSTFAEANQTC NE AYLT
Human   481   PLGYICKMKSRSQGPEIVEVEKGCRKGWKKHHFYCYMIGHTLSTFAEANQTCNNENAYLT  540

Pig     541   TVEDRYEQAFLTSLVGLRPERYFWTGLSDVQNKGTFQWTIAEGVQFTHWNTDMPGRKAGC  600
              T+EDRYEQAFLTS VGLRPE+YFWTGLSD+Q KGTFQWTI E V+FTHWN+DMPGRK GC
Human   541   TIEDRYEQAFLTSFVGLRPEKYFWTGLSDIQTKGTFQWTIEEEVRFTHWNSDMPGRKPGC  600

Pig     601   VAMRTGVAGGLWDVLRCEEKNKFVCKHWAEGVTRPPEPTTTPEPKCPEDWGTSTKTSLCF  660
              VAMRTG+AGGLWDVL+C+EK KFVCKHWAEGVT PP+PTTTPEPKCPEDWG S++TSLCF
Human   601   VAMRTGIAGGLWDVLKCDEKAKFVCKHWAEGVTHPPKPTTTPEPKCPEDWGASSRTSLCF  660

Pig     661   KLFAKGKHEKKTWFESRDFCRALGGDLASINNKEEQQAIWRLVTASGSYHELFWLGLTYS  720
              KL+AKGKHEKKTWFESRDFCRALGGDLASINNKEEQQ IWRL+TASGSYH+LFWLGLTY
Human   661   KLYAKGKHEKKTWFESRDFCRALGGDLASINNKEEQQTIWRLITASGSYHKLFWLGLTYG  720

Pig     721   SPSEGFTWSDGSPVSYENWAYGEPNNYQNVEYCGELKSDAGMSWNDINCEHLNNWICQIR  780
              SPSEGFTWSDGSPVSYENWAYGEPNNYQNVEYCGELK D  MSWNDINCEHLNNWICQI+
Human   721   SPSEGFTWSDGSPVSYENWAYGEPNNYQNVEYCGELKGDPTMSWNDINCEHLNNWICQIQ  780

Pig     781   KGQTPKPEPTPAPQDNPPVTEDGWVIYKDYQYYFSKEKETMDKAREFCKKNFGDLVSIQS  840
              KGQTPKPEPTPAPQDNPPVTEDGWVIYKDYQYYFSKEKETMD AR FCK+NFGDLVSIQS
Human   781   KGQTPKPEPTPAPQDNPPVTEDGWVIYKDYQYYFSKEKETMDNARAFCKRNFGDLVSIQS  840

Pig     841   ESEKKFLWKYVNKNDAQPAYFIGLLISLDKKFIWMDGSKVDYVAWAAGEPNFANDDENCV  900
              ESEKKFLWKYVN+NDAQ AYFIGLLISLDKKF WMDGSKVDYV+WA GEPNFAN+DENCV
Human   841   ESEKKFLWKYVNRNDAQSAYFIGLLISLDKKFAWMDGSKVDYVSWATGEPNFANEDENCV  900

Pig     901   TMYTHSGFWNDINCGYPNAFICQRHNSSINA-TVTPTIPSAPGGCKEGWNFYNDKCFKIF  959
              TMY++SGFWNDINCGYPNAFICQRHNSSINA TV PT+PS P GCKEGWNFY++KCFKIF
Human   901   TMYSNSGFWNDINCGYPNAFICQRHNSSINATTVMPTMPSVPSGCKEGWNFYSNKCFKIF  960

Pig     960   GFVEEERKNWQEARKACIGFGGNLASIRNEKEQAFLTYHMKDSTFNAWTGLNDVNSEHTF  1019
              GF+EEERKNWQEARKACIGFGGNL SI+NEKEQAFLTYHMKDSTF+AWTGLNDVNSEHTF
Human   961   GFMEEERKNWQEARKACIGFGGNLVSIQNEKEQAFLTYHMKDSTFSAWTGLNDVNSEHTF  1020

Pig     1020  LWTDGRGVHYTNWGKGYPGGRRSSLSYEDADCVVIIGGKSRDAGKWMDDICDNKRGYICQ  1079
              LWTDGRGVHYTNWGKGYPGGRRSSLSYEDADCVVIIGG S +AGKWMDD CD+KRGYICQ
Human   1021  LWTDGRGVHYTNWGKGYPGGRRSSLSYEDADCVVIIGGASNEAGKWMDDTCDSKRGYICQ  1080

Pig     1080  TLPDSSLPRSPTTIPTDGFIKYGESSYSLTKLKLQWHEAADYCKLHSSLIASILDPYSNA  1139
              T  D SL   P TI TDGF+KYG+SSYSL + K QWHEA  YCKLH+SLIASILDPYSNA
Human   1081  TRSDPSLTNPPATIQTDGFVKYGKSSYSLMRQKFQWHEAETYCKLHNSLIASILDPYSNA  1140

Pig     1140  FAWMQMQALSEPVWIALNSNLTNNEYVWTDKWRVRYTNWAADEPRLKTACVYMDLDGSWK  1199
              FAW+QM+  +E VWIALNSNLT+N+Y WTDKWRVRYTNWAADEP+LK+ACVY+DLDG WK
Human   1141  FAWLQMETSNERVWIALNSNLTDNQYTWTDKWRVRYTNWAADEPKLKSACVYLDLDGYWK  1200

Pig     1200  TANCNESFYFFCKKSDETPATEPPQLPGRCPESEHTAWIPFHGHCYYIESSYTRNWGQAS  1259
              TA+CNESFYF CK+SDE PATEPPQLPGRCPES+HTAWIPFHGHCYYIESSYTRNWGQAS
Human   1201  TAHCNESFYFLCKRSDEIPATEPPQLPGRCPESDHTAWIPFHGHCYYIESSYTRNWGQAS  1260

Pig     1260  LECLRMGSSLVSIESAAESSFLSYRVEPLQSKTNFWIGLYRNVEGMWLWVNNNPVSFVNW  1319
              LECLRMGSSLVSIESAAESSFLSYRVEPL+SKTNFWIGL+RNVEG WLW+NN+PVSFVNW
Human   1261  LECLRMGSSLVSIESAAESSFLSYRVEPLKSKTNFWIGLFRNVEGTWLWINNSPVSFVNW  1320
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Pig     1320  NTGDPSGERNDCVALYASSGFWNNIHCSSYKGYICKRPKIVDAEPTHALVTTKADPRKMV  1379
              NTGDPSGERNDCVAL+ASSGFW+NIHCSSYKGYICKRPKI+DA+PTH L+TTKAD RKM
Human   1321  NTGDPSGERNDCVALHASSGFWSNIHCSSYKGYICKRPKIIDAKPTHELLTTKADTRKMD  1380

Pig     1380  TSKPSSNSAGVVVIVVLLILTGAGFAAYFFYKKRRVHLPQEENFENTLYFNSASTPGASD  1439
               SKPSSN AGVV+IV+LLILTGAG AAYFFYKKRRVHLPQE  FENTLYFNS S+PG SD
Human   1381  PSKPSSNVAGVVIIVILLILTGAGLAAYFFYKKRRVHLPQEGAFENTLYFNSQSSPGTSD  1440

Pig     1440  TKDLIGNIEQNEHVVI  1455
               KDL+GNIEQNEH VI
Human   1441  MKDLVGNIEQNEHSVI  1456
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Anti-CD206 (1) (1400-1441 aa).
Anti-CD206 (2) (1090-1389 aa).
Anti-CD206 (3) (C-terminal).

Figure S2. Homology sequence analysis of pig and human CD206 proteins. Blue color shows the peptide region used for immunization to obtain Anti-CD206 (1) antibody. Red color shows the peptide region used for immunization to obtain Anti-CD206 (2) antibody.