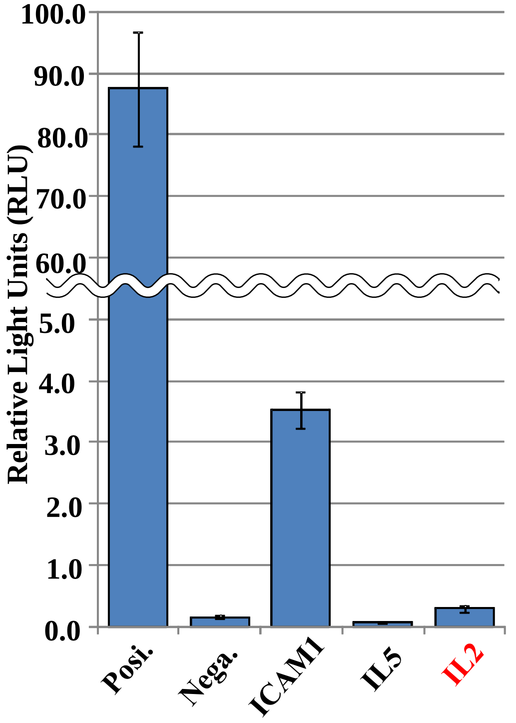
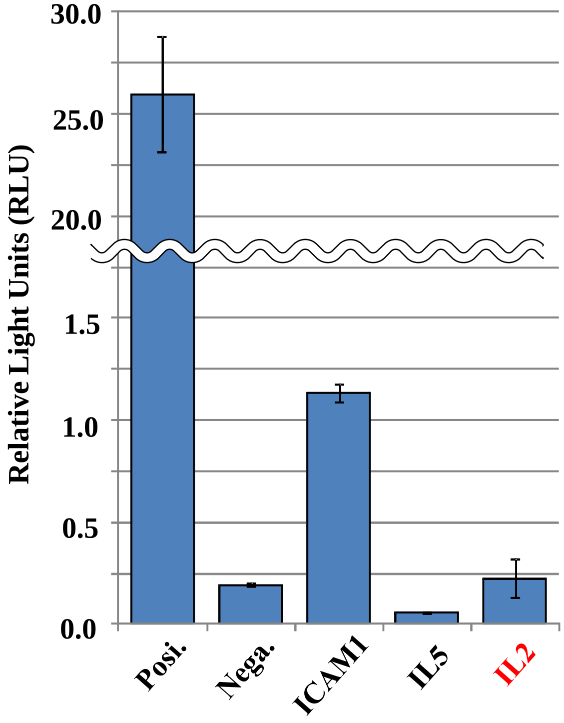
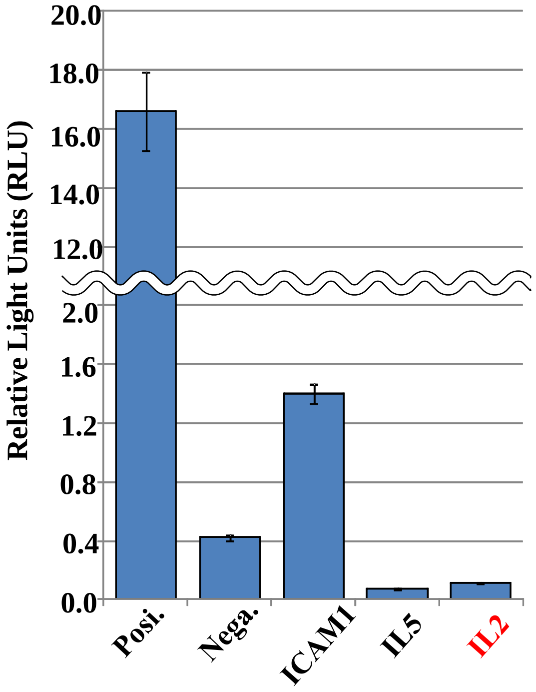
The Promoter Activities of Reporter Constructs



HeLa cells



HepG2 cells



Hep3B cells

Posi.: pGL3 Control Vector
(SV40 promoter)
Nega.: Empty Vector

ICAM1: pGL4-phICAM1(RDB# 7390)
IL5: pGL4-phIL5(RDB# 7392)
IL2: pGL4-phIL2 (RDB# 7391)

2009, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.06.11

1st Nucleotide Sequence
  File Name         : Reference Seq.gnu
  Sequence Size     : 5509

2nd Nucleotide Sequence
  File Name         : RDB7391F.fasta
  Sequence Size     : 431

  Unit Size to Compare = 1
  Pick up Location     = 1



[74.537% / 432 bp]     INT/OPT.Score : <    477/   886 >

    1’ GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA TCCTGCCTGT ACACTGTTCT
                                 * *** * *   **** ********** **********
    1″                           CACTA GACCTCAGGA TCCTGCCTGT ACACTGTTCT

   61’ CTTTTCTCTC TTTCTATATA CCTGAAGGCA TNTATAGGTG -CTAGATGTC TGTTTAAAGA
       ********** ********** ********** * ********  ********* **********
   36″ CTTTTCTCTC TTTCTATATA CCTGAAGGCA T-TATAGGTG ACTAGATGTC TGTTTAAAGA

  120’ CCAGACAATA TTGTCTTAAA AAANACAAAC AAAAAC-AC- AGACAATACC ATCTTTAAAA
       ********** ********** *** ****** ****** **  ********** **********
   95″ CCAGACAATA TTGTCTTAAA AAA-ACAAAC AAAAACAACA AGACAATACC ATCTTTAAAA

  178’ AAAAAAAAAA AGTCCANGGT AAGAAATAAA TAAGG-CCAT AGAATGGAAG -CTTT-ACAA
       **********   ****.* * ********** ***** **** **********  **** ****
  154″ AAAAAAAAAA GATCCAGGAT AAGAAATAAA TAAGGACCAT AGAATGGAAG ACTTTAACAA

  235’ GGACTCTCTC NTGAGACAGG ATCTCCTCAA -GTG-TCCCC A-GGTT-AAA TTAGAAGTAT
       **********  ********* **********  *** ***** * **** *** ******  **
  214″ GGACTCTCTC -TGAGACAGG ATCTCCTCAA GGTGATCCCC AGGGTTAAAA TTAGAAAGAT
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    291’ ATATCNCGTA CAATTGTTCA GCCAGTTTGT GCACTGTACT GAGGATGAAT GAACACNCTA
         *    .  *  *   *    * *   * ** *  **  *  *  *    *  ** * *** .**
    273″ AGTAGTAATT CCGGTAACAA GTTTGGTT-T ACAAGGACCA GGATTTTGAT GGACAACCT-

    351’ TCCTAAATAT CCTAGTCTTC TGACTAAAAA CAAGATCATA TTTCATANAC GATTATTGTT
            ****        *   *    * * **** ***   * **  *** **.*    *  **  *
    331″ GGATAAACTG GAGGGGAGTG AAAGTGAAAA CAA--CCCTA GTTCCTAAA- -GTAGTTCCT

    411’ ACATTCATAG TGTCCCAGGT GATTTAGAGG ATAAATAANA AATCCATTAA AGAGGTAAAG
         *   ** **  ** * *     *   *** *  *** **
    387″ A-GGTCTTAC TGAACTAAAA AACAAAGAAG -TAAGTAGTT GTCAGTT




1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5509

2nd Nucleotide Sequence
  File Name        : RDB7391R.fasta (Complementary)
  Sequence Size    : 638

  Unit Size to Compare = 1
  Pick up Location     = 1



[97.682% / 647 bp]     INT/OPT.Score : <    533/  2379 >

    721’ TGACATGTAA GAAGCAATCT ATCTTATTGT ATGCNAATTA GCTCATTGTG TGGATAAAAA
                                       * **** ***** ********** **********
      1″                               T ATGC-AATTA GCTCATTGTG TGGATAAAAA

    781’ -GGTAAAACC ATTCTGAAAC AGGAAANCCA ATACACTTCC TGTTTTATCA ACAAATCTAA
          ********* ********** ******.*** ********** ***** **** **********
     31″ GGGTAAAACC ATTCTGAAAC AGGAAATCCA ATACACTTCC TGTTTAATCA ACAAATCTAA
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 840’ ACATTTATTC TTTTCATNCT GTTTACTCTT GCTCTTGTCC ACCACAATAT GCTATTCACA
      ********** ******* ** ********** ********** ********** **********
  91″ ACATTTATTC TTTTCAT-CT GTTTACTCTT GCTCTTGTCC ACCACAATAT GCTATTCACA

 900’ TGTTCAGTNG TAGTTTTATG ACAAAGAAAA TTTTCTGAGT TACTTTTGTA TCCCCACCCN
      ******** * ********** ********** ********** ********** *********
 150″ TGTTCAGT-G TAGTTTTATG ACAAAGAAAA TTTTCTGAGT TACTTTTGTA TCCCCACCC-

 960’ CCTTAAAGAA AGGAGGAAAA ACTGTTTCAT ACAGAAGGCG TTAATTGCAT NGAATTAGAG
      ********** ********** ********** ********** **********  *********
 208″ CCTTAAAGAA AGGAGGAAAA ACTGTTTCAT ACAGAAGGCG TTAATTGCAT -GAATTAGAG

1020’ CTATCACCTA AGTGTGGGCT AATGTAACAA AGAGGGATTT CNACCTACAT CCATTCAGTC
      ********** ********** ********** ********** * ******** **********
 267″ CTATCACCTA AGTGTGGGCT AATGTAACAA AGAGGGATTT C-ACCTACAT CCATTCAGTC

1080’ AGTCTTTGGG GGTTTAAAGA AATTCCAAAG AGNTCATCAG AAGAGGAAAA ATGAAGGTAA
      ********** ********** ********** ** ******* ********** **********
 326″ AGTCTTTGGG GGTTTAAAGA AATTCCAAAG AG-TCATCAG AAGAGGAAAA ATGAAGGTAA

1140’ TGTTTTTTCA GACAGGTAAA GTCNTTTGAA AATATGTGTA ATATGTAAAA CATTTTGACA
      ********** ********** *** ****** ********** ********** **********
 385″ TGTTTTTTCA GACAGGTAAA GTC-TTTGAA AATATGTGTA ATATGTAAAA CATTTTGACA

1200’ CCCCCATAAT ATTTNTTCCA GAATTAACAG TATAAATTGC ATCTCTTGTT CAAGAGTTCC
      ********** **** ***** ********** ********** ********** **********
 444″ CCCCCATAAT ATTT-TTCCA GAATTAACAG TATAAATTGC ATCTCTTGTT CAAGAGTTCC

1260’ CTATCACTCT CTTTAATCAC TACTCACAGT AACCTCAACT CCTGCCACAA --TCAAGATC
      ********** ********** ********** ********** **********   ********
 503″ CTATCACTCT CTTTAATCAC TACTCACAGT AACCTCAACT CCTGCCACAA TATCAAGATC

1318’ TGGCCTCGGC GGCCAAGCTT GGCAATCCGG TACTGTTGGT AAAGCCACCA TGGAAGATGC
      ********** ********** ********** ********** ********** **********
 563″ TGGCCTCGGC GGCCAAGCTT GGCAATCCGG TACTGTTGGT AAAGCCACCA TGGAAGATGC

1378’ CAAA-AACAT TAAGAAGGGC CCAGCGCCAT TCTACCCACT CGAAGACGGG ACCGCCGGCG
      **** ***** ******
 623″ CAAATAACAT TAAGAA
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