InductionofcJunexpression

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by TGF-b Induction of c-Jun expression by TGF-b by TGF-b 1All strains were grown in Dulbecco's medium and cultured in RPMI 1640 medium for the indicated time periods. 2. Results 2.1. TGF-b induced c-Jun expression in wild-type WT and CD133- and p38-expressing plasmids WT and CD133- and p38-expressing plasmids were established by incubation with lentivirus GFP and cDNA, respectively, as described previously 2.2. TGF-b induced c-Jun expression in TaqMan wild-type plasmid expressing TaqMan cDNA (WT and CD133) and p38-expressing plasmid (p38-expressing plasmid) (upper panel) 2.3. TGF-b induced c-Jun expression in WT and CD133-expressing plasmids WT and CD133- and p38-expressing plasmid 2.4. WT and CD133-expressing plasmids showed increased c-Jun expression, which was consistently increased in WT (Fig. 3A and B) and CD133- expressing plasmids (Fig. 3C and D) (upper panel) 2.5. TGF-b induced c-Jun expression in CD133- and p38- expressing plasmids (Fig. 3E and F) 2.6. WT and CD133-expressing plasmids showed increased c-Jun expression, which was consistently increased in WT (Fig. 3G and H) 2.7. TGF-b induced c-Jun expression in CD133- and p38- expressing plasmids (Fig. 3I and J) (upper panel) 2.8. WT and CD133-expressing plasmids showed increased c-Jun expression, which was consistently increased in WT (Fig. 3K and L) 2.9. TGF-b induced c-Jun expression in CD133- and p38- expressing plasmids (Fig. 3M and M) (upper panel) 3. Discussion 3.1. TGF-b is known to modulate CD11c expression, which is associated with a decrease in the p38 MAPKs, but other studies have shown that TGF-b modulates CD11c expression [1–5]. TGF-b may also modulate p38 MAPKs in the same way. The RPMI cells were then treated with TGF-b, and tumors were detected in the blood of WT and CD133- expressing cells at the indicated time intervals. These results indicated that TGF-b modulates p38 MAPKs in the same manner as the effect of TGF-b on CD11c expression. 3.2. TGF-b induces c-Jun expression in CD133- and p38-expressing plasmids CD133 is a positive regulator of the p38 MAPKs [6–8]. CD133 is a positive regulator of the p38 MAPKs, but is also involved in Toll-like receptor-like (TLR)-like neurotoxic effects [9–11]. CD133 is a negative regulator of TLR-like, and TLR-like pathways [12–17]. The mechanisms by which TGF-b modulates CD11c expression are currently unknown. In this study, we investigated the c-Jun and c-Jun binding sites in the CD133- and p38-expressing plasmid, and showed that CD133 was bound to p38 MAPKs, but not to the p38 MAPKs in WT and CD133- and p38-expressing plasmids, suggesting that TGF-b modulates p38 MAPKs in the same way. 3.3. TGF-b induces c-Jun expression in CD133- and p38-expressing plasmids CD133 is a positive regulator of the p38 MAPKs, but is also involved in Toll-like receptor-like (TLR- like) neurotoxic effects [18–20]. In this study, we investigated the c-Jun and c-Jun binding sites in the CD133- and p38-expressing plasmid, and found that CD133 was bound to p38 MAPKs in WT but not in CD133- and