| Instr | werf | wdsel | wasel | asel | bsel | sext | wr | alufn | pcsel | Description |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LW | 1 | 2 | 0 | 0 | 1 | signed | 0 | add | 0 |  |
| SW | 0 | x | x | 0 | 1 | signed | 1 | add | 0 |  |
| ADDI | 1 | 1 | 0 | 0 | 1 | signed | 0 | add | 0 |  |
| ADDIU | 1 | 1 | 0 | 0 | 1 | unsigned | 0 | add | 0 |  |
| SLTI | 1 | 1 | 0 | 0 | 1 | signed | 0 | less than | 0 |  |
| SLTIU | 1 | 1 | 0 | 0 | 1 | unsigned | 0 | less than | 0 |  |
| ORI |  |  |  |  |  |  |  |  |  |  |
| LUI |  |  |  |  |  |  |  |  |  |  |
| ANDI |  |  |  |  |  |  |  |  |  |  |
| XORI |  |  |  |  |  |  |  |  |  |  |
| BEQ |  |  |  |  |  |  |  |  | Z=1|Z=0 |  |
| BNE |  |  |  |  |  |  |  |  | Z=1 | Z= 0 |  |
| J |  |  |  |  |  |  |  |  |  |  |
| JAL |  |  |  |  |  |  |  |  |  |  |
| ADD |  |  |  |  |  |  |  |  |  |  |
| ADDU |  |  |  |  |  |  |  |  |  |  |
| SUB |  |  |  |  |  |  |  |  |  |  |
| AND |  |  |  |  |  |  |  |  |  |  |
| OR |  |  |  |  |  |  |  |  |  |  |
| XOR |  |  |  |  |  |  |  |  |  |  |
| NOR |  |  |  |  |  |  |  |  |  |  |
| SLT |  |  |  |  |  |  |  |  |  |  |
| SLTU |  |  |  |  |  |  |  |  |  |  |
| SLL |  |  |  |  |  |  |  |  |  |  |
| SLLV |  |  |  |  |  |  |  |  |  |  |
| SRA |  |  |  |  |  |  |  |  |  |  |
| JR |  |  |  |  |  |  |  |  |  |  |