$$
\begin{CD}
X \otimes \prod_{\lambda \in \Lambda} K_\lambda @>\simeq>> \prod_{\lambda \in \Lambda} X \otimes K_\lambda \\
@V{g \otimes 1}VV @VV{\prod(g \otimes 1)}V \\
Y \otimes \prod_{\lambda \in \Lambda} K_\lambda @>\simeq>> \prod_{\lambda \in \Lambda} Y \otimes K_\lambda \\
@V{h \otimes 1}VV @VV{\prod(h \otimes 1)}V \\
M \otimes \prod_{\lambda \in \Lambda} K_\lambda @>>> \prod_{\lambda \in \Lambda} M \otimes K_\lambda
\end{CD}
$$

with outer arrows $f \otimes 1$ (left) and $\prod(f \otimes 1)$ (right).