Let $F$ be a Banach space of continuous functions over a connected locally compact space $X$. We present sufficient conditions on $F$ guaranteeing that the only multiplication operators on $F$ that are surjective isometries are scalar multiples of the identity. Among such conditions are compactness of the inclusion operator from $F$ into $C(X)$, and also reflexivity and nearly strict convexity of $F$. An important tool in our investigation is the notion of Birkhoff Orthogonality. (Received February 02, 2019)