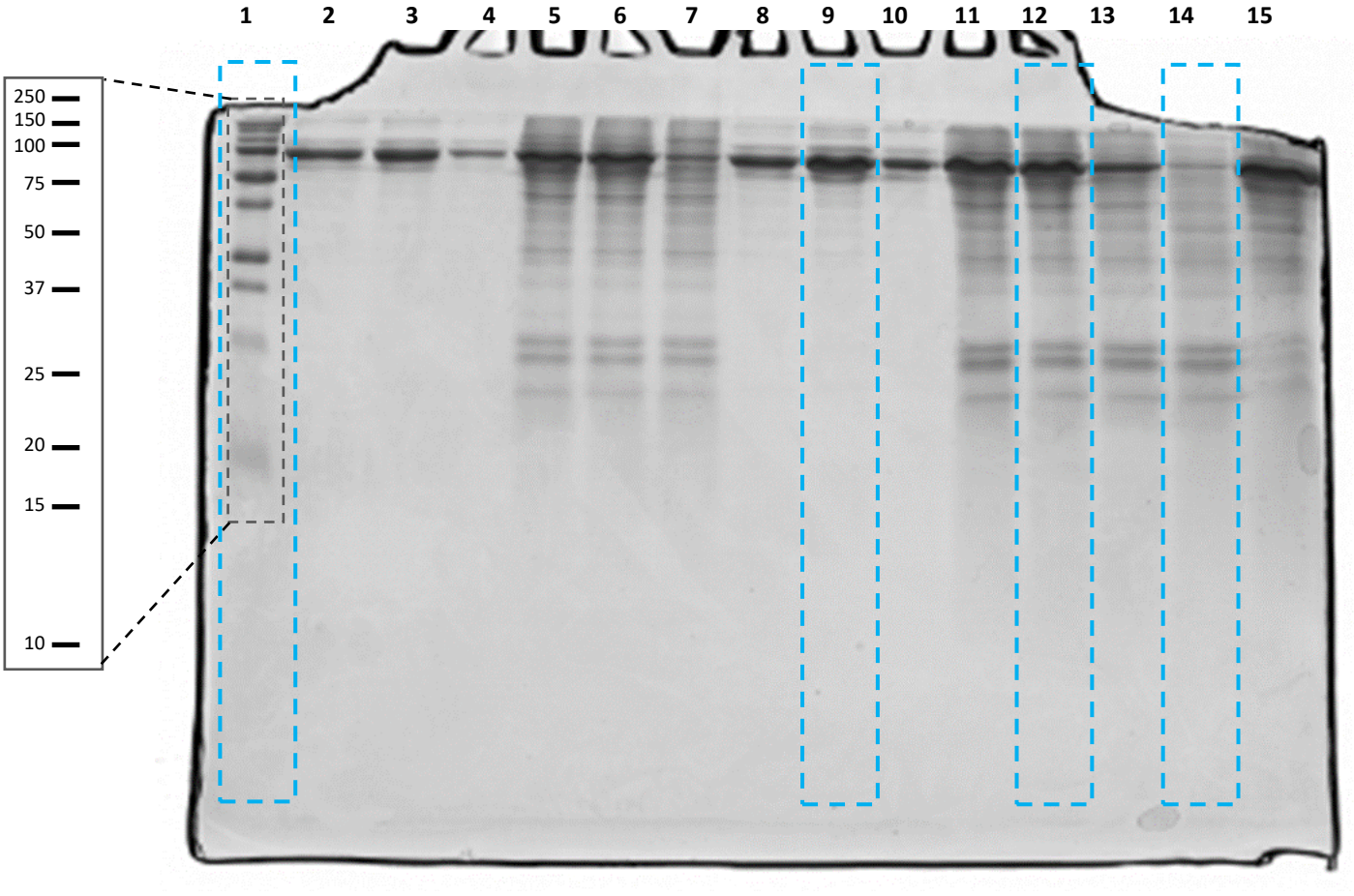
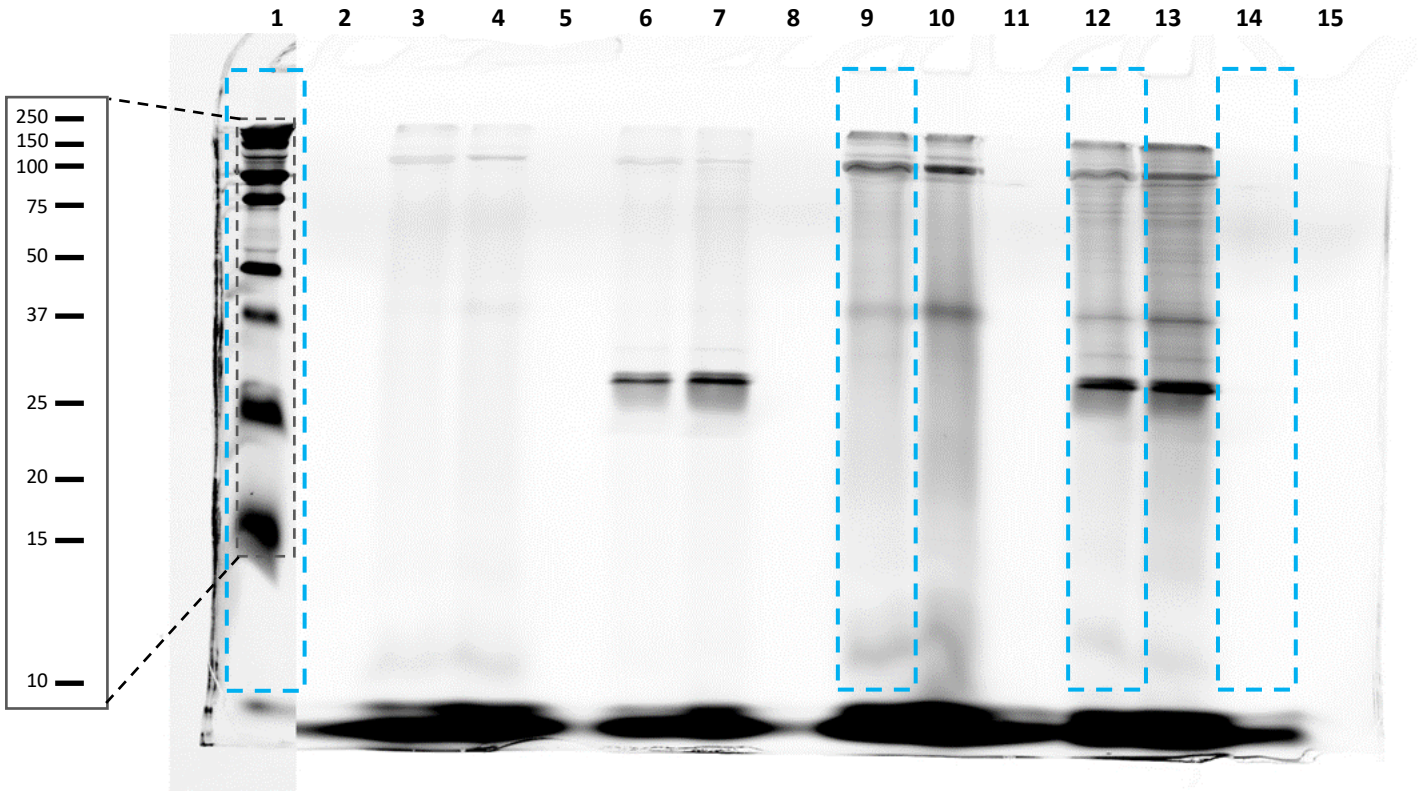
## S6 Fig: Raw Image 1. Tris-Glycine SDS-PAGE




Experimental: Samples of conditioned media (30 µL) were diluted 3:1 with 4x Laemlie buffer. Tris-glycine gels (4% acrylamide stacking gel and a 20% acrylamide resolving gel) were made with a BioRad gel system and run with a glycine running buffer (25 mM Tris, 192 mM glycine, 0.1% w/v SDS, pH 8.3) (Sigma-Aldrich). A total volume of 15 µL of each sample was loaded per well and 8 µL of protein standard ladder (Precision Plus Protein™ Dual Color Standards, BioRad, Hercules, CA, United States). Tris-glycine gels were run for 1 h at 100 V. Gel was stained with Coomassie.

| Lane | Sample/Comment | Lane | Sample/Comment |
|---|---|---|---|
| 1 | Marker | 9 | *$OFM_{FITC10}$ (48 h incubation) |
| 2 | OFM (24 h incubation) | 10 | $OFM_{FITC30}$ (48 h incubation) |
| 3 | $OFM_{FITC10}$ (24 h incubation) | 11 | Mϕ+OFM (48 h incubation) |
| 4 | $OFM_{FITC30}$ (24 h incubation) | 12 | *Mϕ+$OFM_{FITC10}$ (48 h incubation) |
| 5 | Mϕ+OFM (24 h incubation) | 13 | Mϕ+$OFM_{FITC30}$ (48 h incubation) |
| 6 | Mϕ+$OFM_{FITC10}$ (24 h incubation) | 14 | *Mϕ (48 h incubation) |
| 7 | Mϕ+$OFM_{FITC30}$ (24 h incubation) | 15 | OFM (48 h incubation) |
| 8 | OFM (48 h incubation) | * - denotes lanes used in Fig2.A (dashed blue line). | |

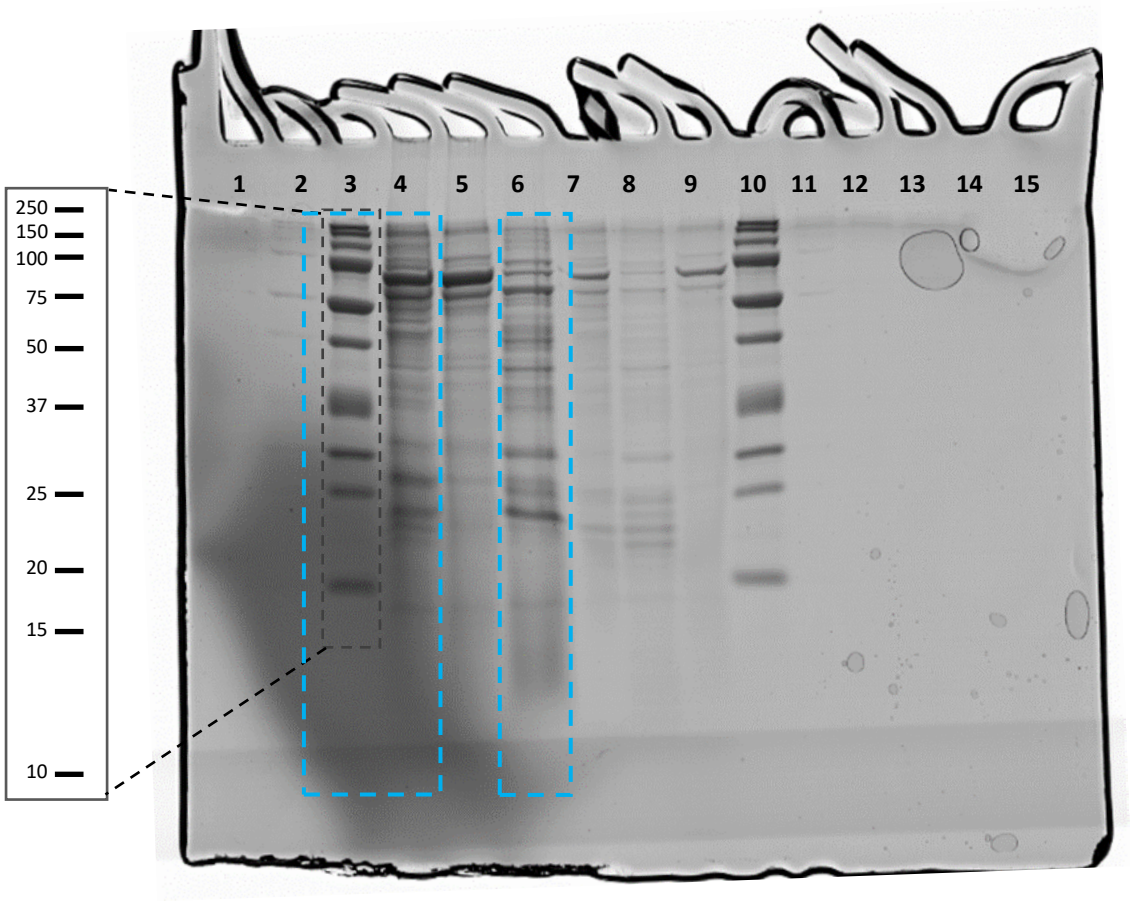
## S6 Fig: Raw Image 2. Tris-Glycine SDS-PAGE




Experimental: Experimental: Samples of conditioned media (30 µL) were diluted 3:1 with 4x Laemlie buffer. Tris-glycine gels (4% acrylamide stacking gel and a 20% acrylamide resolving gel) were made with a BioRad gel system and run with a glycine running buffer (25 mM Tris, 192 mM glycine, 0.1% w/v SDS, pH 8.3) (Sigma-Aldrich). A total volume of 15 µL of each sample was loaded per well and 8 µL of protein standard ladder (Precision Plus Protein™ Dual Color Standards, BioRad, Hercules, CA, United States). Tris-glycine gels were run for 1 h at 100 V. Gel was imaged using a Fluoroskan Ascent FL (Thermo Fisher Scientific). Using red and FITC channels

| Lane | Sample/Comment | Lane | Sample/Comment |
|---|---|---|---|
| 1 | Marker | 9 | *$OFM_{FITC10}$ (48 h incubation) |
| 2 | OFM (24 h incubation) | 10 | $OFM_{FITC30}$ (48 h incubation) |
| 3 | $OFM_{FITC10}$ (24 h incubation) | 11 | Mϕ+OFM (48 h incubation) |
| 4 | $OFM_{FITC30}$ (24 h incubation) | 12 | *Mϕ+$OFM_{FITC10}$ (48 h incubation) |
| 5 | Mϕ+OFM (24 h incubation) | 13 | Mϕ+$OFM_{FITC30}$ (48 h incubation) |
| 6 | Mϕ+$OFM_{FITC10}$ (24 h incubation) | 14 | *Mϕ (48 h incubation) |
| 7 | Mϕ+$OFM_{FITC30}$ (24 h incubation) | 15 | OFM (48 h incubation) |
| 8 | OFM (48 h incubation) | * - denotes lanes used in Fig2.B (dashed blue line). | |

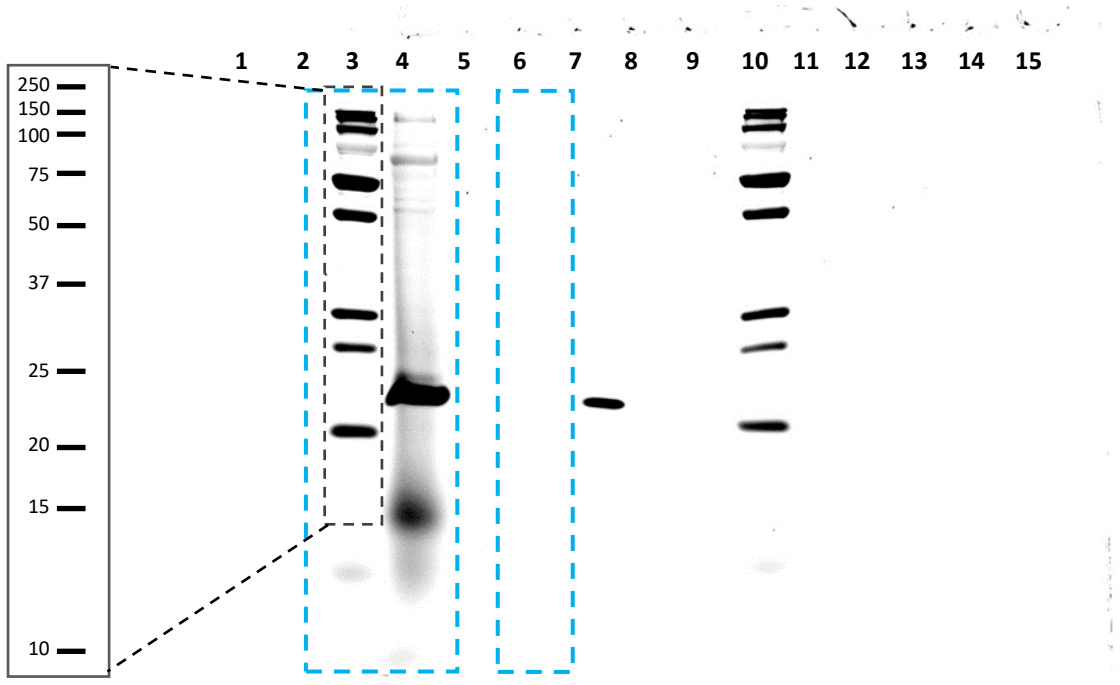
## S6 Fig: Raw Image 3. Tris-Tricine SDS-PAGE




Experimental: Samples were diluted 3:1 with 4x Laemlie buffer. A total volume of 15 µL of each sample was loaded per well and 8 µL of protein standard ladder (Precision Plus Protein™ Dual Color Standards, BioRad). Tris-Tricine gels (4% acrylamide stacking gel and a 16% acrylamide resolving gel) were run using a cathode buffer (100 mM Tris, 100 mM tricine, 0.1% w/v SDS, pH 8.25) and an anode buffer (100 mM Tris, pH 8.9). Gels were run for 2 h at 60 V on ice (~4 °C). Gel was stained with Coomassie.

| Lane | Sample/Comment | Lane | Sample/Comment |
|---|---|---|---|
| 1 | X, empty | 9 | Mϕ (1/10 dilution) |
| 2 | X, empty | 10 | Marker |
| 3 | *Marker | 11 | X, empty |
| 4 | *Mϕ+$OFM_{FITC10}$ (neat) | 12 | X, empty |
| 5 | Mϕ+OFM (neat) | 13 | X, empty |
| 6 | *Mϕ (neat) | 14 | X, empty |
| 7 | Mϕ+$OFM_{FITC10}$ (1/10 dilution) | 15 | X, empty |
| 8 | Mϕ+OFM (1/10 dilution) | * - denotes lanes used in Fig3.A (dashed blue line). | |

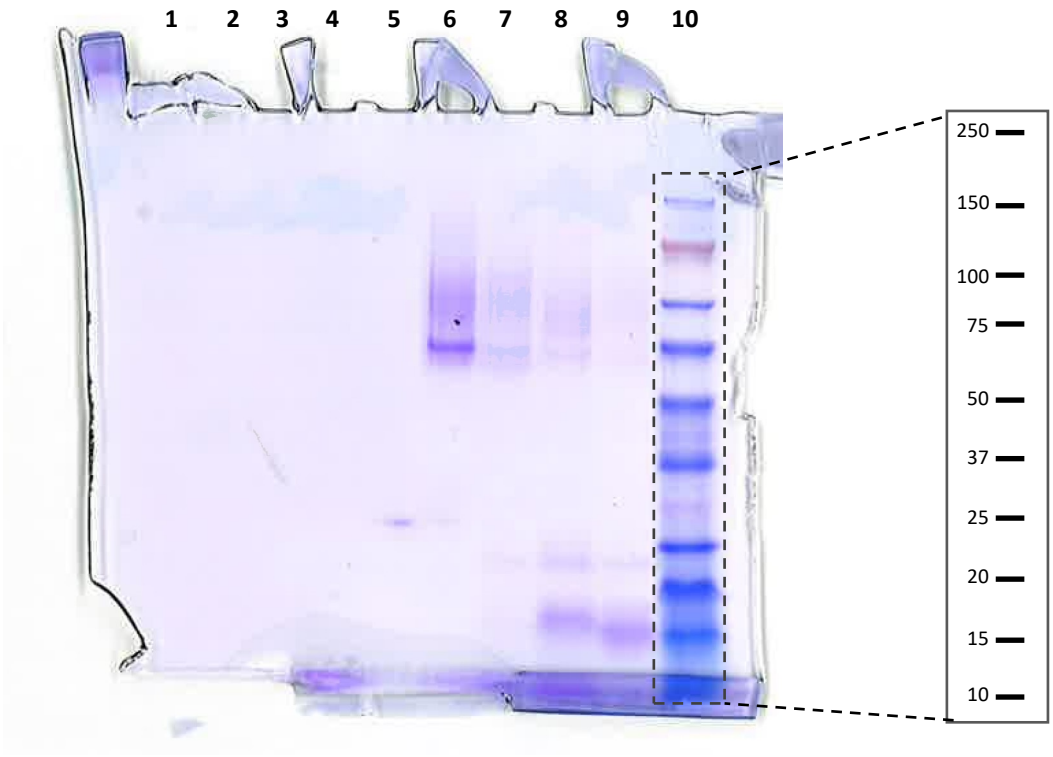
## S6 Fig: Raw Image 4. Tris-Tricine SDS-PAGE




Experimental: Samples were diluted 3:1 with 4x Laemlie buffer. A total volume of 15 µL of each sample was loaded per well and 8 µL of protein standard ladder (Precision Plus Protein™ Dual Color Standards, BioRad). Tris-Tricine gels (4% acrylamide stacking gel and a 16% acrylamide resolving gel) were run using a cathode buffer (100 mM Tris, 100 mM tricine, 0.1% w/v SDS, pH 8.25) and an anode buffer (100 mM Tris, pH 8.9). Gels were run for 2 h at 60 V on ice (~4 °C). Gel was imaged using a Fluoroskan Ascent FL (Thermo Fisher Scientific).

| Lane | Sample/Comment | Lane | Sample/Comment |
|---|---|---|---|
| 1 | X, empty | 9 | Mϕ (1/10 dilution) |
| 2 | X, empty | 10 | Marker |
| 3 | *Marker | 11 | X, empty |
| 4 | *Mϕ+$OFM_{FITC10}$ (neat) | 12 | X, empty |
| 5 | Mϕ+OFM (neat) | 13 | X, empty |
| 6 | *Mϕ (neat) | 14 | X, empty |
| 7 | Mϕ+$OFM_{FITC10}$ (1/10 dilution) | 15 | X, empty |
| 8 | Mϕ+OFM (1/10 dilution) | * - denotes lanes used in Fig3.B (dashed blue line). | |

## S6 Fig: Raw Image 5. Bis-Tris SDS-PAGE




Experimental: Samples were diluted 3:1 with 4x Laemlie buffer and denatured, as described above. A total volume of 30 mL was loaded onto precast Bis-Tris gels (4-12% Bolt NuPAGE, Invitrogen, Carlsbad, CA, USA). Bis-Tris gels were run with a protein standard solution (5 mL) (SeeBlue protein standard, Invitrogen). Gels were run using an Invitrogen Mini Gel system ( Invitrogen™) in a BOLT running buffer (Bolt™ MES SDS Running Buffer, Invitrogen™) for 90 mins at 100 V. Gels were rinsed (3x, $ROH_2O$, 10 mL) and then stained with Coomassie.

| Lane | Sample/Comment | Lane | Sample/Comment |
|---|---|---|---|
| 1 | X, empty | 9 | DCN (0.25 ug + MMP12 (0.25 μg) |
| 2 | X, empty | 10 | Marker |
| 3 | X, empty | | |
| 4 | X, empty | | |
| 5 | MMP12 (2.5 μg) | | |
| 6 | DCN (2.5 μg) | | |
| 7 | DCN (0.25 ug + MMP12 (0.0025 μg) | | |
| 8 | DCN (0.25 ug + MMP12 (0.125 μg) | | |