

# OMM-012

## Oligo GEArray® Mouse Apoptosis Microarray

### Description

The Oligo GEArray Mouse Apoptosis Microarray profiles the expression of 112 genes key to apoptosis. The genes are grouped into twelve categories according to their functional and structural features, and include the TNF ligands, TNF receptors, bcl-2, caspases, IAP, TRAF, CARD, death domain family members, death effector domain family members, CIDE domain family members, as well as genes involved in the p53 and ATM pathways. With the OMM-012 Oligo GEArray Mouse Apoptosis Microarray you can compare your experimental samples with expression data from a manageable number of related genes vital to apoptosis.

### Functional Gene Groupings (more detailed information is provided in the gene table)

**TNF Ligand Family:** Tnf, Tnfsf10, Tnfsf12, Tnfsf14, Tnfsf5, Tnfsf6, Tnfsf7.

**TNF Receptor Family:** Ltbr, Tnfrsf10b, Tnfrsf11b, Tnfrsf12a, Tnfrsf14, Tnfrsf1a, Tnfrsf21, Tnfrsf22, Tnfrsf5, Tnfrsf6.

**Bcl-2 Family:** Bad, Bag1, Bag3, Bag4, Bak1, Bax, Bcl2, Bcl2l1, Bcl2l2, Bcl2l10, Bcl2l11, Bcl2l13, Bcl2l14, Bid, Bnip2, Bnip3, Bnip3l, Bok, Mcl1.

**Caspase Family:** Casp1, Casp2, Casp3, Casp4, Casp6, Casp7, Casp8, Casp8ap2, Casp9, Casp12, Casp14.

**IAP Family:** Birc1a, Birc1b, Birc1e, Birc1f, Birc2, Birc3, Birc4, Birc5, Birc6.

**TRAF Family:** Traf1, Traf2, Traf3, Traf4, Traf5.

**CARD Family:** Apaf1, Asc, Bcl10, Birc3, Birc4, Card4, Card6, Card10, Card11, Card14, Card15, Casp1, Casp2, Casp4, Casp9, Cradd, Nol3, Ripk1, Ripk2, Ripk3

**Death Domain Family:** Cradd, Dapk1, Dapk2, Fadd, Ripk1, Tnfrsf10b, Tnfrsf11b, Tnfrsf1a, Tnfrsf21, Tnfrsf6.

**Death Effector Domain Family:** Casp8, Cflar, Fadd.

**CIDE Domain Family:** Cidea, Cideb, Dffa, Dffb.

**p53 and DNA Damage-Induced Apoptosis:** Akt1, Apaf1, Bad, Bax, Bcl2, Bcl2l1, Bid, Casp3, Casp6, Casp7, Casp9, Trp53, Trp53bp2, Trp53inp1, Trp63, Trp73.

**Anti-Apoptosis:** Akt1, Als2cr2, Api5, Atf5, Aven, Bag1, Bag3, Bag4, Bcl2, Bcl2l1, Bcl2l10, Bcl2l2, Birc1a, Birc1b, Birc1e, Birc1f, Birc2, Birc3, Birc4, Birc5, Birc6, Bnip2, Bnip3, Casp2, Cflar, Dad1, Dsip1, Faim, Hells, Il10, Il31ra, Lhx4, Mapk8ip, Mcl1, Nfkb1, Nipa, Nme5, Pak7, Pim2, Polb, Prdx2, Prlr, Prok2, Rnf7, Sphk2, Tnf, Tnfrsf6, Tnfsf5

### Storage Conditions

**Please check the kit components immediately after you receive this package. SuperArray is only responsible for missing items reported within two (2) business days of receipt.**

### Storage Conditions:

Oligo GEArrays are shipped at ambient temperature. They should be stored in the enclosed disposable hybridization tube at -20°C upon receipt.

### References

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