

Supplement 2 Structures and proportions of N-glycans attached to anti-HER2 mAbs produced in CHO cells as determined by MALDI-TOF MS analysis.

Symbol	Structure	Ratio (%)
G0F	$\begin{array}{c} \text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{6} \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc} \\ \text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{3} \end{array}$ $\begin{array}{c} \text{Fuc}\alpha 1 \\ \downarrow \\ 6 \end{array}$	42.0
G1F	$\text{Gal}\beta 1 \rightarrow \left\{ \begin{array}{l} 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{6} \\ 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{3} \end{array} \right. \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$ $\begin{array}{c} \text{Fuc}\alpha 1 \\ \downarrow \\ 6 \end{array}$	34.1
G2F	$\text{Gal}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{6} \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$ $\text{Gal}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{3}$ $\begin{array}{c} \text{Fuc}\alpha 1 \\ \downarrow \\ 6 \end{array}$	5.4
G1	$\text{Gal}\beta 1 \rightarrow \left\{ \begin{array}{l} 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{6} \\ 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{3} \end{array} \right. \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$	4.7
G0	$\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{6} \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$ $\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{3}$	4.4
GN1F	$\text{GlcNAc}\beta 1 \rightarrow \left\{ \begin{array}{l} 2\text{Man}\alpha 1 \xrightarrow{6} \\ 2\text{Man}\alpha 1 \xrightarrow{3} \end{array} \right. \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$ $\begin{array}{c} \text{Fuc}\alpha 1 \\ \downarrow \\ 6 \end{array}$	2.9
G2	$\text{Gal}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{6} \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$ $\text{Gal}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 2\text{Man}\alpha 1 \xrightarrow{3}$	2.1
M5	$\begin{array}{c} \text{Man}\alpha 1 \xrightarrow{6} \text{Man}\alpha 1 \xrightarrow{6} \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc} \\ \text{Man}\alpha 1 \xrightarrow{3} \text{Man}\alpha 1 \xrightarrow{3} \end{array}$	1.9
G1GN1F	$\text{Gal}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow \left\{ \begin{array}{l} 2\text{Man}\alpha 1 \xrightarrow{6} \\ 2\text{Man}\alpha 1 \xrightarrow{3} \end{array} \right. \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$ $\begin{array}{c} \text{Fuc}\alpha 1 \\ \downarrow \\ 6 \end{array}$	1.6
GN1	$\text{GlcNAc}\beta 1 \rightarrow \left\{ \begin{array}{l} 2\text{Man}\alpha 1 \xrightarrow{6} \\ 2\text{Man}\alpha 1 \xrightarrow{3} \end{array} \right. \text{Man}\beta 1 \rightarrow 4\text{GlcNAc}\beta 1 \rightarrow 4\text{GlcNAc}$	0.9