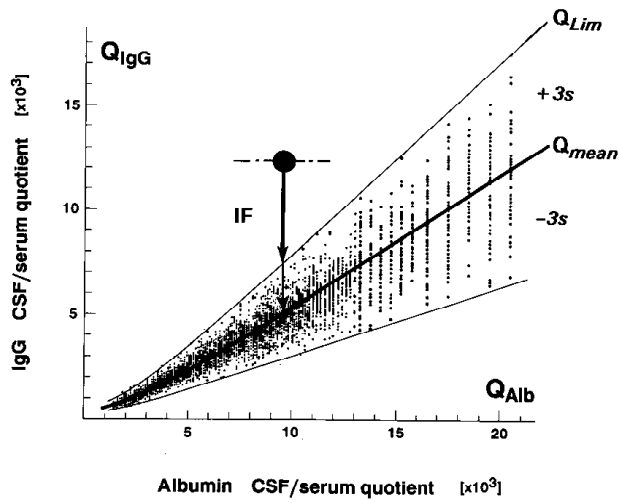


# Construction of the diagramms



$$Q_{Lim} = a/b \sqrt{(Q_{Alb})^2 + b^2} - c$$

IgX		a/b	$b^2 \cdot 10^6$	$c \cdot 10^3$
IgG	Lim	0,93	6	1,7
	Mean	0,65	8	1,4
	Low	0,33	2,0	0,3
IgA	Lim	0,77	23	3,1
	Mean	0,47	27	2,1
	Low	0,17	74	1,3
IgM	Lim	0,67	120	7,1
	Mean	0,33	306	5,7
	Low	0,04	442	0,82

# IgG<sub>IF</sub> and IgG<sub>Loc</sub>

## 1. IgG<sub>loc</sub> in course of the disease

$$g_{Loc} = [Q_g - Q_{Lim} (g)] \cdot g_{Serum} \quad (g / L)$$

	Punktion			
	2.	3.	4.	5.
$Q_{Aib} \cdot 10^{-3}$	80	68	32	20
IgM loc mg/L	85	77	29,2	14,2
IgM <sub>IF</sub> (%)	60	62	61	59

## 2. $IgG_{IF}$ for comparison of Ig class response in brain (dominance of an Ig Class )

$$Ig_{IF} = Ig_{loc} / Ig \times 100 \quad (\%)$$

$$I_{gF} = \left[ 1 - Q_{Lim} (I_g) / Q_{I_g} \right] \cdot 100 \quad [\%]$$

		Alb	IgG	IgA	IgM
CSF	mg/L	1440	819	113	171
Serum	g/L	36	12,6	2,7	1,8
$Q \cdot 10^3$		40	65	42	92
$Q_{Lim} \cdot 10^3$		-	35,6	27,9	20,7
$Ig_{Loc}$	mg/L	-	<b>370,4</b>	<b>38,1</b>	<b>133,7</b>
$Ig_{IF}$	%	-	<b>45</b>	<b>34</b>	<b>78</b>